

TEXAS NATURAL RESOURCE CONSERVATION COMMISSION**Unauthorized Discharge of Wastewater Noncompliance Notice**

Name of Permittee:

Permit # - TNRCC:

10053-005

Vince Bayou WWTP - City of Pasadena, TX

Permit # - NPDES:

TX0064310

County: Harris

TNRCC Region:

12

Source and Location of Unauthorized Discharge (wwtp, lift station, collection line, other):

Sewer line located between plant fence line and Vince Bayou waterway. The sewer line brings raw sewage from the North Main and West Pitts lift stations to Vince Bayou WWTP.

Cause of Unauthorized Discharge:

Break in sewer line.

Discharge Route: From sewer line, down bayou banking, into Vince Bayou waterway.

Estimated Volume: 100 gpm

Duration:

Begin Date:

3/31/01

Begin Time:

1330

End Date:

4/1/01

End Time:

1700

or When Expected to be Corrected:

Actions Taken to Mitigate Adverse Effects (disinfectant, contain, cleanup, etc.)

Plant operator dispensed HTH onto ground around leak.

MONITORING DATA

Field Measurements:

No

Lab Samples:

No

Fish Kill (If yes, estimate number killed):

No

Note: Data should be attached or submitted to TNRCC when available.

Actions Taken to Correct the Problem and Prevent Recurrence:

North Main and West Pitts lift station were turned off intermittently during this event to reduce leakage into Vince Bayou. City of Pasadena work crews repaired sewer line break.

Other Comments:

City of Pasadena was contacted at 1400 on 3/31 (Saturday). Work crew supervisor inspected site, but could not contact a crew to do repairs. A crew was contacted on Sunday.

Reported by:

Richard Neely

Severn Trent Services, Inc.

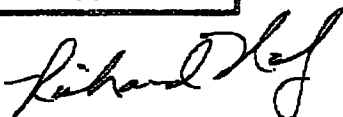
Date Reported:

4/2/01

Title:

Assistant Manager, Pasadena Project

Signature Here:



Telephone:

(713) 477-5856

cc: Wandell Strickley, USEPA

cc: Pat Noll, TNRCC - Houston

cc: Rob Barrett, Harris County



669789

Notice ID: udn-vb20010331a

TEXAS NATURAL RESOURCE CONSERVATION COMMISSION
Water Quality Non-Compliance Notice☒ (X) Unauthorized Discharge☐ () Reportable Effluent Violation☐ () Other**General Information**

Entity Name: Vince Bayou WWTP - City of Pasadena, TX

Telephone: (713) 477-5856

☒ (X) Permittee ☐ () Subscriber

TNRCC Region: 12

County: Harris

Permit Number*: 10053-005 TX0063410

Non-compliance Summary

Description of Non-compliance (include location, discharge route, and estimated volume if an unauthorized discharge):

Location: Digester.

Discharge Route: From digester, onto surrounding ground.

Est. Volume: 500 gals

Cause of Non-compliance:

The digester supernating line clogged. The sludge pump continued to discharge into the digester and the water level rose. Some water and foam was splashed out by the aerator.

Duration: Start Date and Time: 8/23/02 @ 0500
End Date and Time: 8/23/02 @ 0700

Or Date Expected to be Corrected:

Potential Danger to Human Health and Safety or the Environment:

Actions Taken

Monitoring Data: Data should be attached or submitted to TNRCC when available.

No Field Measurements
No Laboratory Samples
No Fish Kill (If yes, estimate number killed)

Actions Taken to Mitigate Adverse Effects:

Cleaned up raw sewage and flushed lightly.

Actions Taken to Correct the Problem and Prevent Recurrence:

Sludge pump and aerator were turned off. An air compressor was acquired and used to unplug the supernating line. Water level fell and digester was returned to service.

Verification Information

Information Reported By (Name/Title): *Richard Neely*
Assistant Manager, Pasadena Project
Severn Trent Services, Inc.

Date Reported: 8/26/02

Signature:



NOTE: If this form is being used for a 5-day written report, a copy of the form should be sent to the TNRCC Region Office, and the original to: TNRCC, Water Quality Compliance Monitoring Team (MC224), Enforcement Division, P. O. Box 13087, Austin, TX 78711-3087.

TNRCC-0501 (7/13/01) * If the non-compliance is an unauthorized discharge from a wastewater collection system, use the permit number of the treatment plant to which the collection system is tied.

cc: USEPA, State Regional Office, County Pollution Control Office

TEXAS NATURAL RESOURCE CONSERVATION COMMISSION
Water Quality Non-Compliance NoticeJMP
Eg
ke☒ (X) Unauthorized Discharge☐ () Reportable Effluent Violation☐ () Other**General Information**

Entity Name: Vinco Bayou WWTP - City of Pasadena, TX

Telephone: (713) 477-5856

☒ (X) Permittee ☐ () Subscriber

TNRCC Region: 12

County: Harris

Permit Number*: 10053-005 TX0063410

Non-compliance Summary

Description of Non-compliance (Include location, discharge route, and estimated volume if an unauthorized discharge):

Location: Sludge thickener clarifier.

Discharge Route: From sludge thickener, onto ground.

Est. Volume: 1000 gals

Cause of Non-compliance:

Sandfilter mechanical failure caused the water level in the sandfilter to rise, overflowing into the aeration basins lift station; thence to the thickener, which overflowed.

Duration: Start Date and Time: 8/22/02 @ ?
End Date and Time: 8/22/02 @ ?

Or Date Expected to be Corrected:

Potential Danger to Human Health and Safety or the Environment:

Actions Taken

Monitoring Data: Data should be attached or submitted to TNRCC when available.

No Field Measurements
No Laboratory Samples
No Fish Kill (If yes, estimate number killed)

Actions Taken to Mitigate Adverse Effects:

Cleaned up raw sewage and flushed lightly.

Actions Taken to Correct the Problem and Prevent Recurrence:

Sandfilter was repaired and put back into service.

Verification Information

Information Reported By (Name/Title): *Richard Neely*
Assistant Manager, Pasadena Project
Severn Trent Services, Inc.

Date Reported: 8/26/02

Signature:



NOTE: If this form is being used for a 5-day written report, a copy of the form should be sent to the TNRCC Region Office, and the original to: TNRCC, Water Quality Compliance Monitoring Team (MC224), Enforcement Division, P. O. Box 13087, Austin, TX 78711-3087.

TNRCC-0501 (7/13/01) * If the non-compliance is an unauthorized discharge from a wastewater collection system, use the permit number of the treatment plant to which the collection system is tied.

cc: USEPA, State Regional Office, County Pollution Control Office

Severn Trent Services, Inc.
Water Quality Non-Compliance Notification

☒ (X) Unauthorized Discharge☐ () Reportable Effluent Violation☐ () Other**General Information**

Entity Name: Vince Bayou WWTP - City of Pasadena, TX

Telephone: 713-477-5856

☒ (X) Permittee ☐ () Subscriber

TCEQ Region: 12

County: Harris

Permit Number*: TCEQ: WQ0010053-005 EPA: TX0063410

Non-compliance Summary

Description of Non-compliance (include location, discharge route, and estimated volume if an unauthorized discharge):

Location: Lift station on west side of plant.

Route: From lift station onto ground; thence to Vince Bayou waterway.

Volume: 20,000 gals

Cause of Non-compliance:

On 9/10 a circuit breaker controlling influent pumps failed. An electrician was contacted and, upon arrival, determined the breaker needed to be replaced. While attempting to disconnect the power to the failed breaker the electrician notice that the main breaker to the entrance structure was in such condition as to prevent safe disconnection. Reliant Energy, upon request, arrived and cut all power to the west side of plant. When power was disconnected excess water from the primary and secondary clarifiers flowed back into the lift station. Since the lift station power had been cut off the wet well filled and overflowed.

Duration: Start Date and Time: 9/10/02 @ 1600
End Date and Time: 9/10/02 @ 1630

Or Date Expected to be Corrected:

Potential Danger to Human Health and Safety or the Environment:

Actions Taken

Monitoring Data: Data should be attached or submitted to TCEQ when available.

☐ () Yes ☒ (X) No Field Measurements☐ () Yes ☒ (X) No Laboratory Samples☐ () Yes ☒ (X) No Fish Kill (If yes, estimate number killed):**Actions Taken to Mitigate Adverse Effects:**

The area surrounding the lift station was flushed lightly with water and lime was spread thinly into the grass.

Actions Taken to Correct the Problem and Prevent Recurrence:

The main circuit breaker will be replaced, allowing treatment units to be isolated while repairs are performed on equipment.

Verification Information

Information Reported By (Name/Title): *Richard Neely*
Assistant Manager, Pasadena Project
Severn Trent Services, Inc.

Date Reported: 9/11/02

Signature: 

NOTE: If this form is being used for a 5-day written report, a copy of the form should be sent to the TCEQ Regional Office, and the original to: TCEQ, Water Quality Compliance Monitoring Team (MC224), Enforcement Division, P. O. Box 13087, Austin, TX 78711-3087.

TCEQ-0501 (7/13/01) * If the non-compliance is an unauthorized discharge from a wastewater collection system, use the permit number of the treatment plant to which the collection system is tied.

cc: USEPA, TCEQ Regional Office, County Pollution Control Office

Severn Trent Services, Inc.

Water Quality Non-Compliance Notification☒ (X) Unauthorized Discharge☐ () Reportable Effluent Violation☐ () Other**General Information**Entity Name: *Vince Bayou WWTP - City of Pasadena, TX*

Telephone: 713-477-5856

☒ (X) Permittee ☐ () Subscriber

TCEQ Region: 12

County: Harris

Permit Number*: TCEQ: 10053-005 EPA: TX0063410

Non-compliance Summary

Description of Non-compliance (Include location, discharge route, and estimated volume if an unauthorized discharge):

Location: *Digester.*Route: *From digester, onto surrounding ground.*Volume: *200 gals*

Cause of Non-compliance:

The sludge transfer pipe between the digester and sludge holding tanks plugged up. The water level in the digester rose and spilled over the sides.

Duration: Start Date and Time: *6/10/03 @ ???*
End Date and Time: *6/10/03 @ 0700*

Or Date Expected to be Corrected:

Potential Danger to Human Health and Safety or the Environment:

Actions Taken

Monitoring Data: Data should be attached or submitted to TCEQ when available.

☐ () Yes ☒ (X) No Field Measurements☐ () Yes ☒ (X) No Laboratory Samples☐ () Yes ☒ (X) No Fish Kill (If yes, estimate number killed):

Actions Taken to Mitigate Adverse Effects:

Cleaned up raw sewage, flushed lightly, and spread lime.

Actions Taken to Correct the Problem and Prevent Recurrence:

Sludge pump and aerator were turned off. The sludge transfer pipe was unplugged (a piece of plywood was removed), the water level lowered, and the digester was returned to service.

Verification Information

Information Reported By (Name/Title): *Richard Neely*
Assistant Manager, Pasadena Project
Savern Trent Services, Inc.

Date Reported: 6/11/03

Signature:



NOTE: If this form is being used for a 5-day written report, a copy of the form should be sent to the TCEQ Regional Office, and the original to: TCEQ, Water Quality Compliance Monitoring Team (MC224), Enforcement Division, P. O. Box 13087, Austin, TX 78711-3087.

TCEQ-0301 (7/13/01) * If the non-compliance is an unauthorized discharge from a wastewater collection system, use the permit number of the treatment plant to which the collection system is tied.

cc: USEPA, TCEQ Regional Office, County Pollution Control Office

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY**Unauthorized Discharge of Wastewater Noncompliance Notice**

Name of Permittee:

Permit # - TCEQ: 10053-005

Vince Bayou WWTP - City of Pasadena, TX

Permit # - NPDES: TX0063410

County: Harris

TCEQ Region: 12

Source and Location of Unauthorized Discharge:

100 N. Richey

Cause of Unauthorized Discharge: Comments on Discharge:

Other

Metal fatigue caused pressure relief valve to break

Discharge Route: Onto grass, into street; into roadside ditch; thence to bayou.

Estimated Volume: 2000 gal

Duration:

Begin Date: 1/7/2004

Begin Time: 3:30 pm

End Date: 1/7/2004

End Time: 7:30 pm

or When Expected to be Corrected:

Actions Taken to Mitigate Adverse Effects (disinfectant, contain, cleanup, etc.)

Put down disinfectant and deodorizer.

MONITORING DATA

Field Measurements: No

Lab Samples: No

Fish Kill (If yes, estimate number killed): No

Note: Data should be attached or submitted to TMRCC when available.

Actions Taken to Correct the Problem and Prevent Recurrence:

A temporary patch was made to the valve, with permanent repair on 1/8/04.

Other Comments:

Reported by Norm Lily, Waste Water Supervisor, City of Pasadena.

Reported by: Sarah Metzger

City of Pasadena

Date Reported: 1/12/2004

Title: Department of Public Works - Engineering

Signature Here:

Telephone: (713) 475-7835

cc: Waudelle Strickley, USEPA
cc: Pat Noll, TCEQ - Houston
cc: Rob Barrett, Harris County

Notice ID: vb010704

June 1, 2004

Robin Green
Director of Public Works
City of Pasadena
P.O. Box 672
Pasadena, TX 77501



Severn Trent Services, Inc.
Environmental Services Group
3512 Pasadena Freeway
Pasadena, TX 77503

Tel 713-477-5856
Fax 713-475-0501

RE: Violation Notice (Dated 3/24/04)
City of Pasadena – Vince Bayou WWTP
TCEQ Permit #: WQ0010053-005

Dear Mr. Green:

On 3/16/04, Christi Coverdale of Harris County Pollution Control Division conducted an investigation of the above referenced facility in response to an odor complaint.

At the time of the complaint, the plant operator was having problems with the Primary Clarifier. The pipe that is used to pull sludge out of the clarifier was clogged and inhibiting sludge removal. The clogged line was cleared and the next day it clogged up again. The plant operator made repeated attempts to clear the clog, with success, over the next three days, but the pipe kept clogging up. Eventually the plant operator was able to remove the source of the problem and the pipe was cleared. During this time, sludge in the bottom of the clarifier was not removed at the proper rate, causing the sludge to become septic and odorous.

This plant has since been shut down, on 3/30/04, and is in the process of being de-commissioned. A replacement plant went into operation on 1/23/04.

Please contact me at (713) 477-5856 if I may be of further assistance.

Sincerely,

SEVERN TRENT SERVICES, INC.

A handwritten signature in cursive script, appearing to read "Richard Neely".

Richard Neely
Assistant Project Manager
Pasadena Project

RECEIVED JUL 3 1984
Copy To Case Prep.

27686



CITY OF PASADENA

June 12, 1984

JOHNNY ISBELL
Mayor

Harris County Pollution Control Department
107 North Munger
P. O. Box 6031
Pasadena, Texas 77506


Attention: Mr. A. R. Peirce

Re: Violation Notice Dated May 17, 1984

Dear Mr. Peirce:

Please be advised that the City of Pasadena is presently having constructed a belt filter press which is scheduled for start-up date to be approximately July 12, 1984. This will eliminate further need for the drying beds, permanently eliminating the odor problem. In the interim, the City will take special care to properly treat the drying beds with lime and/or HTH to eliminate or reduce to an acceptable level the objectionable odor.

Yours very truly,


J. A. Costanza, P.E.
Director of Engineering
and Utilities

JAC/bt

cc: Richard Haynes,
Wastewater Plants

RECEIVED AUG 11 1982 10

1700- District 7

Tracy, 8:30 AM

MJC mjc
BUB BUB
AFM AFM
JWK JWK
GVS

NO. 1,056,498

STATE OF TEXAS,

Plaintiff

VS.

CITY OF PASADENA,

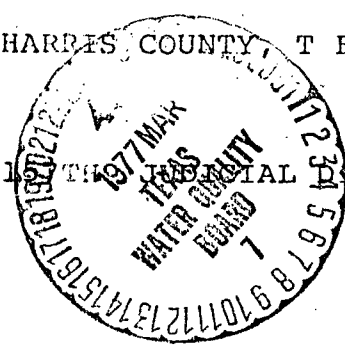
Defendant.

X
X
X
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X
X
X

IN THE DISTRICT COURT OF

HARRIS COUNTY, TEXAS

1st JUDICIAL DISTRICT



JUDGMENT

BE IT REMEMBERED that on the 11th day of March, 1977,
came on to be heard the above entitled and numbered cause,
wherein the State of Texas is Plaintiff, and City of Pasadena
is Defendant, said cause being an action prosecuted by the

1706

District 7

J. M. G. J.

8:30 AM

MJC mjc

BIB BJB

AFM C/M

JWK JWK

GVS

NO. 1,056,498

STATE OF TEXAS,

Plaintiff

VS.

CITY OF PASADENA,

Defendant.

X
X
X
X
X
X
X

IN THE DISTRICT COURT OF

HARRIS COUNTY, TEXAS

1977 MAR 11 10 17 AM
CLERK OF DISTRICTJUDGMENT

BE IT REMEMBERED that on the 11th day of March, 1977, came on to be heard the above entitled and numbered cause, wherein the State of Texas is Plaintiff, and City of Pasadena is Defendant, said cause being an action prosecuted by the Plaintiff against Defendant for injunctive relief and for penalties under the Texas Water Quality Act, and the cause was called for trial, and all parties appeared by and through their respective attorneys of record and announced ready for trial, and the Court having reviewed the pleadings of the parties, and having heard the evidence and the arguments of counsel, together with the recommendation of counsel for the State of Texas, is of the opinion that Judgment, as hereinafter set out, is consistent with the intent and purposes of the Texas Water Quality Act under which this cause is prosecuted, and accomplishes the purposes of the law under which this action is prosecuted, it is accordingly,

I.

ORDERED, ADJUDGED and DECREED that Defendant, City of Pasadena, is mandatorily enjoined to perform the following at its sewage treatment plants located in Harris County and designated as the Vince Bayou Plants, the Golden Acres Plant and the Deepwater Plant.

A. Report all unauthorized discharges in accordance with Defendant's Permits Nos. 10053-01, 10053-02, 10053-03 and 10053-05. That requirement reads as follows:

Prohibition of Bypass of Treatment Facilities:

The diversion or bypass of any discharge facilities utilized by the permittee to maintain compliance with the terms and conditions of this permit is prohibited, except (i) where unavoidable to prevent loss of life or severe property damage, (ii) where excessive storm drainage or runoff would damage any facilities necessary for compliance, or (iii) where authorized under a program of preventive or corrective maintenance as approved by the Executive Director of the Texas Water Quality Board. The permittee shall within 72 hours notify the permit issuing authority in writing of each unauthorized diversion or bypass in accordance with the procedure specified for reporting non-compliance.

B. Submit quarterly progress reports to the Executive Director of the Texas Water Quality Board, which reports shall describe in detail all work being undertaken and accomplished to attain and maintain compliance with Defendant's Waste Discharge Permits Nos. 10053-01, 10053-02, 10053-03, and 10053-05.

II.

It is further ORDERED, ADJUDGED and DECREED that Defendant is mandatorily enjoined to implement the following interim measures at the sewage treatment plants as indicated:

A. Deepwater Plant

1. Within 15 days the Defendant shall submit for approval to the Water Quality Board Executive Director a plan for removal and disposal of sludge from the Deepwater Sewage Treatment Plant. The plan shall include a detailed operational schedule for balancing sludge removal with plant operations. Within 15 days of the approval of the plan and schedule the Defendant shall fully implement the plan.
2. Within 15 days the City shall attain and maintain an aerobic condition in the aeration basins.

B. Golden Acres

1. Within 15 days the Defendant shall submit for approval to the Executive Director of the Texas Water Quality Board, a plan for removal and dis-

posal of sludge from the plant. The plan shall include a detailed operational schedule for balancing sludge removal with plant operations. Within 15 days of the approval of the plan and schedule the Defendant shall fully implement the plan.

C. Vince Bayou Plant

1. The City of Pasadena shall apply to the Texas Water Quality Board for authorization to dispose of the wastewater in accordance with the provisions of Texas Water Quality Board Order 75-1125-06 and shall comply with all provisions of said Board Order including time tables thereof.
2. Within 60 days, the City of Pasadena shall renovate and have operational all the sludge drying beds located at the Vince Bayou Sewage Treatment Plant 1-A on the west bank of Vince Bayou. In addition, the City shall remove all stockpiled sludge from the periphery of the sludge drying beds and is hereby enjoined from stockpiling dried sludge in the above described area.
3. Within 15 days, the City of Pasadena shall initiate a program of daily jar tests to determine optimum chemical dosage rates for chemical addition at the final clarifier.
4. Within 15 days, the City shall eliminate the discharge of all floating solids from the Vince Bayou 1-A and 1-B Plants.
5. Within 30 days, the City of Pasadena shall repair and maintain in operational condition the grit removal mechanism.
6. Within 30 days, the City of Pasadena shall initiate a fly control program at the Vince Bayou Sewage Treatment Plant.

7. The City is immediately prohibited from bypassing from the North Main Lift Station into Vince Bayou. The City shall within fifteen (15) days make the necessary changes in the piping in order that one or more portable pumps may be used at the North Main Lift Station when the permanent pumps are inoperable or not capable of preventing bypass at said location.
8. Advertise for Construction Bids within 10 days after authorization to advertise for bids has been given.
9. Submit Bid Opening Documents within 5 days after bid opening date.
10. Award of Construction Contract within 21 days after authorization to award the Contract has been issued.
11. Initiation of Construction within 10 days after the award of the Contract.
12. Complete construction within 360 days after initiation of construction.

III.

It is further ORDERED, ADJUDGED and DECREED that this judgment is a final adjudication and bar to the imposition of any further penalty or sanction for any violation by Defendant of the Texas Water Quality Act and Orders of the Texas Water Quality Board up to and through the date of this judgment but without prejudice to the rights, powers, and duties of the State of Texas thereafter to bring new suits, including those based on public nuisance, as provided by law.

IV.

It is further ORDERED, ADJUDGED and DECREED that the orders and injunctions herein set forth shall not be deemed to be violated by delays in construction resulting from acts of God, strike, unauthorized work slowdown or stoppage, war, riot, fire, lightning,

flood or other catastrophe, delivery delays on the part of suppliers or delays by contractors because of weather conditions, or other circumstances beyond Defendant's control and not due to lack of good faith or diligence on the part of Defendant; provided, however, that Defendant gives written notice for any such construction delay to the Executive Director of the Texas Water Quality Board and the court within 72 hours of Defendant's receipt of knowledge of any impending event or occurrence which will cause such a delay. Plaintiff shall notify the court and the Defendant in writing whether or not Plaintiff approves such a delay. If Plaintiff does not approve such a delay Defendant may petition the court for relief within 10 days after the date set for completion. If the court's action with respect to such a request for delay is not acceptable either to Plaintiff or Defendant, then each shall have the right to appeal the court's judgment in that regard. In an action to enforce completion of construction work, concerning which delay has been sought, which work Defendant is required to complete by the terms of this judgment, it shall be no defense that the delay was due to causes beyond Defendant's control unless Defendant shall have sought approval for delay, as provided hereinabove.

V.

Defendant hereby acknowledges notice of this judgment, and accepts service of same; therefore no writ need issue. Defendant further stipulates that it is aware of the contents and requirements of the Texas Water Quality Act, the Rules and Regulations of the Texas Water Quality Board and Defendant's Waste Discharge Permits Nos. 10053-01, 10053-02, 10053-03, and 10053-05; and Defendant affirmatively acknowledges that this judgment is sufficiently clear and detailed so as to comply with Rule 683 of the Texas Rules of Civil Procedure.

VI.

The parties do hereby waive the right to appeal from this judgment so that said judgment may become effective immediately

upon execution.

All costs in this behalf expended are hereby taxed against the Defendant, City of Pasadena.

SIGNED and RENDERED this 30 day of March, 1977.

JUDGE PRESIDING

1001-10, Defendant affirmative, acknowledging that

Rule 68 of the Texas Rules of Civil Procedure.

5. NPDES authorization to discharge to waters of the United States,
Permit No. TX0025569 - City of Gilmer

The applicant's mailing address is:

City of Gilmer
P O Box 760
Gilmer, Tx 75644

The discharge from this municipal wastewater treatment plant is made into Sugar Creek, thence to Little Cypress Creek in Segment No. 0409 of the Cypress Creek Basin, a water of the United States classified for contact recreation, high quality aquatic habitat and public water supply. The discharge is located on that water at Latitude 32° 44' 14" N and Longitude 94° 55' 44" W. Final disposition of the sludge generated involves disposal via shipment to a landfill. The sludge produced at the treatment plant will be taken to the following locations: Pine Hill Landfill, Interstate 20 and Highway 259 in Gregg County, Texas. Under the standard industrial classification (SIC) code 4952, the applicant's activities are municipal wastewater treatment operations.

There ARE NOT substantial changes from the draft permit.

The permit has been changed to require a testing frequency of once per six months for Ceriodaphnia dubia.

Section A of Part I of the permit has been change to specify units of measurements in ug/l for Total Copper and Total Zinc.

6. NPDES authorization to discharge to waters of the United States,
Permit No. TX0063410 - City of Pasadena

The applicant's mailing address is:

City of Pasadena
P.O. Box 672
Pasadena, TX 77501

WQ10053-01

The discharge from this municipal wastewater treatment plant is made into the East Bank of Vince Bayou; thence to the Houston Ship Channel in Segment Number 1006 of the San Jacinto River Basin, a water of the United States classified for industrial water supply, limited quality aquatic habitat and navigation. The discharge is located on that water at Latitude: 29° 42' 56" N Longitude: 95° 13' 18" W. Final disposition of the sludge generated involves offsite landfilling. The sludge produced at the treatment plant will be taken to the Hazlewood Landfill at the intersection of F.M. 1405 and F.M. 2354, about 6 miles southeast of Baytown, Texas (Chambers County).

There are two (2) substantial changes from the draft permit. Specifically, the requirement to implement a full scale pretreatment program has been deleted, as has the requirement to periodically monitor the plant effluent for Thallium.

The expiration date of the permit is determined to be April 30, 1998, to coordinate with the Texas Natural Resource Conservation Commission, Office of Water Resource Management program, Watershed Texas (30 TAC 305.71) adopted January 3, 1995, 20 TexReg 19. This program, also known as the Statewide Basin Management Approach to permitting, is a comprehensive framework to better coordinate and integrate water resource management activities geographically by river basin. Regulations found at 40 CFR 122.46(c) allow EPA to issue any permit for a duration that is less than the full allowable 5 year term. Under the standard industrial classification (SIC) code 4952, the applicant's activities are municipal wastewater treatment operations.

3. NPDES authorization to discharge to waters of the United States,
Permit No. TX0047163 - Carters Creek Wastewater Treatment Plant

The applicant's mailing address is:

City of College Station
P.O. Box 9960
College Station, Texas 77842

The discharge from this municipal wastewater treatment plant is made into Carter's Creek; thence into the Navasota River Below Lake Limestone in Segment No. 1209 of the Brazos River Basin, a water of the United States classified for contact recreation, high quality aquatic habitat and public water supply. The discharge is located on that water at Latitude: 30° 37' 08" N and Longitude: 96° 20' 36" W for outfall 001, Latitude: 30° 36' 51" N and Longitude: 96° 16' 31" W for outfall 002 and Latitude: 30° 36' 59" N and Longitude: 96° 16' 31" W for outfall 003 in Brazos County, Texas. The sludge produced at the treatment plant will be disposed by land application for beneficial use at the following sites: Cook Site TNRCC#710463 - at approximately 0.9 mile northeast of the intersection of State Highway 30 and Hardy Weedon Rd, Brazos County. Olden Site TNRCC#710311 - at approximately 1.3 miles east of the intersection of Bird Pond Road and E. Rock Prairie Road, Brazos County. Wolters Site TNRCC#710274 - at end of College Station WWTP Road, Brazos County. BVSMA Landfill TNRCC#1444 - at 7000 E. Rock Prairie Road, Brazos County.

Under the standard industrial classification (SIC) code 4952, the applicant's activities are municipal wastewater treatment operations. There are changes to the final permit. The effluent limitation for Total Mercury was removed based on additional information indicating no potential toxicity due to concentrations of the pollutant in the effluent. In addition, the biomonitoring testing frequency was reduced from once per quarter to once per six months based on the analyses results on Mercury indicating no toxicity problems.

4. NPDES authorization to discharge to waters of the United States,
Permit No. TX0047449 - City of McAllen

The applicant's mailing address is:

City of McAllen
P.O. Box 220
McAllen, TX 78505-0220

The discharge from this municipal wastewater treatment plant is made into Mission Floodway Channel; thence to IBWC Floodway; thence to Arroyo Colorado above Tidal, in Segment No. 2202 of the Nueces-Rio Grande Coastal Basin, a water of the United States classified for contact recreation and intermediate quality aquatic habitat. The discharge is located on that water at Latitude: 26°10'36" N Longitude: 98°18'42" W. Final disposition of the sludge generated involves land application for beneficial use. The sludge produced at the treatment plant will be taken to the following locations: Billy Mack Simpson farm located SE of Highway 106 and Highway 803 east of Rio Hondo at Latitude 26°13' N, Longitude 97°30' W; and, Willacy and Kenedy farm located 5.5 miles north of Raymondville on US Highway 77 at Latitude: 26°36' N, Longitude: 97°47' W. Based on comments received during the public comment period, no substantial changes were made to the draft permit. The expiration date of the permit is determined to be May 31, 2000, to coordinate with the Texas Natural Resource Conservation Commission, Office of Water Resource Management program, Watershed Texas (30 TAC 305.71) adopted January 3, 1995, 20 TexReg 19. This program, also known as the Statewide Basin Management Approach to permitting, is a comprehensive framework to better coordinate and integrate water resource management activities geographically by river basin. Regulations found at 40 CFR 122.46(c) allow EPA to issue any permit for a duration that is less than the full allowable 5 year term. Under the standard industrial classification (SIC) code 4952, the applicant's activities are municipal wastewater treatment operations.

This is our response to the comments received on the subject draft NPDES permit in accordance with our regulations.

RESPONSE TO COMMENTS
DRAFT NPDES PERMIT

Permit No.: TX0063410
Permittee: City of Pasadena
Facility Name/Location: Vince Bayou Wastewater Treatment Plant
Draft Permit Public Notice Date: 03/30/96
Prepared by: Richard A. Wooster

Issue No. 1.

"Part I, Section A of the draft permit (Limitations and Monitoring Requirements) requires the permittee to report a 7-day average for effluent flow. The City requests that this be changed to reporting the daily maximum flow to coincide with the requirements in the TNRCC permit."

Response No. 1.

The permittee's request is denied according to 40 CFR §122.45(d)(2) which states "For continuous discharges all permit effluent limitations, standards, and prohibitions, including those necessary to achieve water quality standards, shall unless impracticable be stated as:...(2) Average weekly and average monthly discharge limitations for POTWs". The permit requires the use of a totalizing meter for making flow measurements and therefore the reporting of a 7-day average (average weekly) flow is not impracticable.

Issue No. 2.

"Part II, Section A, Items 1.b. and 1.c. of the draft permit (Contributing Industries and Pretreatment Requirements) require the permittee to analyze the treatment plant influent and effluent for the presence of toxic pollutants listed in 40 CFR 122 Appendix D Table II and III annually and to annually prepare a list of Industrial Users which have connected to the wastewater system. The City requests that these requirements be deleted from the permit. The monitoring and reporting requirement [is] in the current permit and analysis conducted over the years has shown concentrations above detection limit for very few pollutants...the only non-residential contributors of any size are the Southmore Medical Center, which contributes an average of 57,000 gallons per day of flow and Minh Foods, which contributes an average of 40,000 gallons per day of flow...All of the industries located in the Pasadena area either have existing treatment facilities and have discharge permits or are located in the Bayport Industrial Complex. The Bayport Industrial Complex is served by a facility owned and operated by Gulf Coast Waste Disposal Authority...There is no greater likelihood of an industry connecting [to] the Vince Bayou Wastewater Treatment Plant collection system than at any other municipality."

Response No. 2.

EPA agrees that the City of Pasadena need not continue its full scale pretreatment program for the Vince Bayou Wastewater Treatment Plant. The portions of the draft permit referred to as "Part II, Section A, Items 1.b. and 1.c." have been deleted.

Issue No. 3.

"The City requests that the requirement to analyze and report thallium in the effluent be deleted."

Response No. 3.

EPA proposed that Thallium be monitored because its reported concentration of 0.51 mg/l, as stated in the City's September 1994 priority pollutant scan,

This is our response to the comments received on the subject draft NPDES permit in accordance with our regulations.

RESPONSE TO COMMENTS
DRAFT NPDES PERMIT

Permit No.:

TX0063053

Permittee:

City of Houston

Facility Name/Location:

FWSD No. 23 Wastewater Treatment Plant and
Bretshire Wet Weather Facility

Draft Permit Public Notice Date:

March 30, 1996

Prepared by:

Dorothy Crawford

Issue No. 1.

As a condition of 401 certification the Texas Natural Resource Conservation Commission required the Whole Effluent Toxicity testing (chronic, 7-day) monitoring frequency for the species Pimephales promelas be revised from once every six months to once every three months.

Response No. 1.

Permit language was revised as required.

exceeded the EPA human health protection criteria for fish consumption. During the public comment period, the City supplied additional effluent analysis data showing the concentration of Thallium below detection level. After considering the geometric mean of the concentration data available for Thallium, the Agency now concludes that the monitoring requirement in the draft permit can be, and now is, deleted.

Issue No. 4.

"The biomonitoring frequency of once per quarter for Menidia beryllina is more stringent than the TNRCC requirement of once per year."

Response No. 4.

To conform with the Texas Natural Resource Conservation Commission (TNRCC) permit requirement, EPA reduced the required biomonitoring frequency for Menidia beryllina to once per year in the final NPDES permit.

Issue No. 5.

"The manual for conducting marine, chronic toxicity tests, on pages 6 and 11 of Part II, should be updated to reference EPA-600-4-91-003."

Response No. 5.

The final permit now references EPA-600-4-91-003 as the appropriate manual for conducting marine, chronic toxicity tests.

Issue No. 6.

"The permit does not recognize that the city is conducting a Toxicity Reduction Evaluation (TRE) under the TNRCC permit."

Response No. 6.

From its discussion of the comment with TNRCC staff, EPA learned that the State's TRE requirement is approaching expiration. Accordingly, TNRCC agreed that the NPDES permit need not address the State TRE requirement.

NPDES PERMIT NO. TX0064912

RESPONSE TO COMMENTS

RECEIVED ON THE SUBJECT DRAFT NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT IN ACCORDANCE WITH REGULATIONS LISTED AT 40 CFR PART 124.17

APPLICANT:

Hoffmann-La Roche, Inc.
1000 County Road 227
Freeport, Texas 77541

ISSUING OFFICE:

U.S. Environmental Protection Agency
Region 6
1445 Ross Avenue
Dallas, Texas 75202-2733

PREPARED BY:

Kilty J. Baskin
Environmental Engineer
Industrial Permits Section (6WQ-PI)
NPDES Permits Branch
Water Quality Protection Division
VOICE: 214-665-7500 or 214-665-7170 (Main#)
FAX: 214-665-2191
EMAIL: baskin.kilty@epamail.epa.gov

PERMIT ACTION:

Final permit decision and response to comments received on the draft modified NPDES permit publicly noticed on March 9, 1996.

DATE PREPARED:

May 22, 1996.

PAGES:

1 (TEXT)

Unless otherwise stated, citations to 40 CFR refer to promulgated regulations listed at Title 40, Code of Federal Regulations, revised as of 7/1/95.

TEXAS DEPARTMENT OF WATER RESOURCES
1700 N. Congress Avenue
Austin, TexasHarvey Davis
Executive Director

TEXAS WATER DEVELOPMENT BOARD

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NOTICE OF APPLICATION FOR WASTE DISCHARGE PERMIT RENEWAL

THE CITY OF PASADENA, P.O. Box 672, Pasadena, Texas 77501 has applied to the Texas Department of Water Resources for a renewal of Permit No. 10053-03 which authorizes a discharge of treated wastewater effluent at a volume not to exceed an average flow of 5,000,000 gallons per day from the Golden Acres Plant No. 3 treatment facilities which are located on the north bank of Armand (Middle) Bayou in the 6300 block of Spencer Road in southeast Pasadena, Harris County, Texas. The effluent is discharged into Boggy Bayou via a 36 inch outfall line; thence into the Houston Ship Channel in Segment No. 1006 of the San Jacinto River Basin.

The permit, if renewed by the Commission, will specify conditions and limitations generally the same as those currently enforced by the existing permit, except the discharge volume of treated wastewater effluent is to be decreased from 5,000,000 gallons per day to 3,700,000 gallons per day. The expiration date of the existing permit was May 5, 1982. It is proposed that the expiration date be specified as midnight, five years after date of Commission approval.

LEGAL AUTHORITY: Section 26.028 of the Texas Water Code, as amended, and Chapter 25 of the Rules of the Texas Department of Water Resources.

No public hearing will be held on this application unless an affected person who has received notice of the application has requested a public hearing. Any such request for a public hearing shall be in writing and contain (1) the name, mailing address, and phone number of the person making the request; and (2) a brief description of how the requester, or persons represented by the requester, would be adversely affected by the granting of the application. If the Commission determines that the request sets out an issue which is relevant to the waste discharge permit decision, or that a public hearing would serve the public interest, the Commission shall conduct a public hearing, after the issuance of proper and timely notice of the hearing. If no sufficient request for hearing is received within 30 days of the date of publication of the notice concerning the application, the permit will be submitted to the Commission for final decision on the application.

Requests for a public hearing and/or requests for further information concerning any aspect of the application should be submitted in writing to Larry R. Soward, Assistant Chief Hearings Examiner, Texas Water Commission, P. O. Box 13087, Capitol Station, Austin, Texas 78711, Telephone (512) 475-2678.

Issued this 29th day of October, 1982.

(Seal)

Mary Ann Hefner
Mary Ann Hefner, Chief Clerk
Texas Water Commission

TEXAS DEPARTMENT OF WATER RESOURCES
1700 N. Congress Avenue
Austin, Texas



Harvey Davis
Executive Director

136745

TEXAS WATER DEVELOPMENT BOARD

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TEXAS WATER COMMISSION

Felix McDonald, Chairman
Dorsey B. Hardeman
Lee B. M. Biggart

December 17, 1981

City of Pasadena
Post Office Box 672
Pasadena, Texas 77501

RE: Endorsement to Permits No. 10053-01, 10053-03,
10053-04 and 10053-05

Gentlemen:

Enclosed is an endorsement to the above referenced permit.
The endorsement changes the official mailing address used for
all Department correspondence regarding the permit, including
self monitoring data.

This endorsement is a permanent document and is valid until
amended or revoked by the Commission.

Very truly yours,

TEXAS WATER COMMISSION

By _____

Mary Ann Hefner
Chief Clerk

MAH:dh
Enclosure
cc w/enclosure:
TDWR District No. 7

Original

RECEIVED DEC 21 1981 *vm*

Qyf

TEXAS DEPARTMENT OF WATER RESOURCES

1700 N. Congress Avenue

Austin, Texas



Harvey Davis
Executive Director

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Dorsey B. Hardeman
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ENDORSEMENT TO TEXAS WATER COMMISSION PERMIT NO. 10053

FOR CITY OF PASADENA

The mailing address of the holder of subject permit has changed. That part of the signature page pertaining to the name and address of the permit holder for pages 1, 3, 4 and 5 of Permit No. 10053 is hereby changed so that the same shall hereinafter be and read as follows:

"City of Pasadena
P. O. Box 672
Pasadena, Texas 77501"

This endorsement is ISSUED AND EFFECTIVE this 17th day of

December, 1981 in accordance with Rule 156.25.15.001 of the Texas Department of Water Resources. The endorsement is part of the permit and should be attached thereto.

Mary Ann Hefner
Mary Ann Hefner, Chief Clerk
Texas Water Commission



TEXAS WATER QUALITY BOARD

P.O. Box 13246, Capitol Station
Austin, Texas 78711

PERMIT TO DISPOSE OF WASTES
under provisions of Chapter 21
of the Texas Water Code

City of Pasadena

PERMIT NO. 10053 Page 1
(Corresponds to
NPDES PERMIT NO. TX _____)

This permit supersedes and replaces
Page 1 (issued December 22, 1969) of
Permit No. 10053.

~~551-B~~

whose mailing address is
1211 East Southmore Street
Pasadena, Texas 77502

Key Map # 536 G

is authorized to dispose of wastes from Plant 1A (West of Vince Bayou)

located on the west bank of Vince Bayou west of McDonald Street and north
of the West Richey Access Road in Pasadena, Harris County, Texas

to Vince Bayou; thence to the Houston Ship Channel (Segment No. 1006) in
the San Jacinto River Basin

in accordance with effluent limitations, monitoring requirements and
other conditions set forth herein. This permit is granted subject to
the rules of the Board, the laws of the State of Texas, and further
orders of the Board issued in accordance with said rules and laws.

This permit shall become effective on date of Board approval.

This permit and the authorizations contained herein shall expire
at midnight, January 28, 1980.

APPROVED this 28th day of January, 1975

Dick Whitting

Executive Director
Deputy

J. Savglass Zook

For the Board

Special Conditions

1. Effluent Limitations

*a. Interim Effluent Limitations

During the period beginning _____ and lasting through _____ the permittee is authorized to discharge subject to the following effluent limitations:

The arithmetic average of the daily flows of effluent discharged from the wastewater treatment facility for any month shall not exceed _____ million gallons per day (mgd). Nor shall the maximum discharge on any given day exceed _____ mgd.

	<u>Effluent Concentrations</u>			<u>Effluent Loading</u>	
	Unit of Measurement	30-day Average	7-day Average	30-day Average	
Biochemical Oxygen Demand (5-day)....	mg/l			BOD ₅ ..	kg/day
				BOD ₅ ..	lbs/day
Suspended Solids..	mg/l			TSS...	kg/day
				TSS...	lbs/day
Fecal Coliform Bacteria.....	Number/100ml				

The effluent shall contain a chlorine residual of at least _____ mg/l after a detention time of at least _____ minutes (based on peak flow).

b. Final Effluent Limitations

During the period beginning _____ upon date of issuance and lasting through _____ the date of expiration _____ the permittee is authorized to discharge subject to the following effluent limitations:

The arithmetic average of the daily flows of effluent discharged from the wastewater treatment facility for any month shall not exceed _____ 3.0 million gallons per day (mgd). Nor shall the maximum discharge on any given day exceed _____ 6.0 mgd.

*Interim Effluent Limitations are not applicable to this permit.

January 28, 1975

	<u>Effluent Concentrations</u>			<u>Effluent Loading</u>	
	Unit of Measurement	30-day Average	7-day Average	30-day Average	
Biochemical Oxygen Demand (5-day).....	mg/l	20	30	BOD ₅ ..	227 kg/day 500 lbs/day
Suspended Solids...	mg/l	20	30	TSS..	227 kg/day 500 lbs/day
Fecal Coliform.....					
Bacteria.....	Number/100ml	200	400		

The effluent shall contain a chlorine residual of at least 1.0 mg/l after a detention time of at least 20 minutes (based on peak flow).

c. The following definitions apply:

(1) The 30-day average, other than for fecal coliform bacteria, is the arithmetic mean of the values for all effluent samples collected in a period of 30 consecutive days. The 30-day average for fecal coliform bacteria is the geometric mean of the values for all effluent samples collected in a period of 30 consecutive days.

(2) The 7-day average, other than for fecal coliform bacteria is the arithmetic mean of the values for all effluent samples collected in a period of 7 consecutive days. The 7-day average for fecal coliform bacteria is the geometric mean of the values for all effluent samples collected in a period of 7 consecutive days.

(3) A 24-hour composite sample consists of several effluent portions collected over equally spaced intervals in a 24-hour period and composited according to flow. For fecal coliform bacteria, a sample consists of one effluent grab portion collected during a 24-hour period at peak loads.

d. The pH of the effluent shall not be less than 6.0 nor greater than 9.0 at any time. The pH limitation is not subject to averaging.

e. An equivalent method of disinfection may be substituted with the prior approval of the permitting authority.

f. The permittee shall not discharge floating solids nor shall the discharge of the effluent result in the existence of persistent foam beyond the immediate vicinity of the outfall(s).

*2. Monitoring, Recording and Reporting (See Footnote for Applicable State Requirements)

a. Monitoring - The permittee shall effectively monitor the operation and efficiency of all treatment and control facilities and the quantity and quality of the treated effluent discharge.

N.P.D.E.S. REQUIREMENTS ONLY
() Samples for effluent analysis shall be collected immediately following the last treatment unit, unless special locations are specified under Collecting of Samples below.

*This section does not apply to permits issued by the Texas Water Quality Board. Until notified by the Texas Water Quality Board to do otherwise, the permittee shall comply with the reporting requirements of Board Order No. 69-1219-1.

(2) Monitoring shall be in accordance with Schedule E as follows:

Flow	BOD ₅ mg/l	Total Suspended Solids, mg/l	Settleable Solids ml/l	Chlorine Residual	Fecal Coliform
The daily flow measured by a totalizing meter	One each week	One each week	Two each week	One each week	One each week

Collecting of Samples

The laboratory test excepting the chlorine residual test and the fecal coliform test shall be made on a composite sample made up of six portions collected no closer together than one hour and with the first sample collected no earlier than 10:00 AM. If any sample analysis required by the foregoing monitoring schedule exceeds the effluent limitations specified in Special Condition No. 1, the permittee shall report the excursion to the Regional Administrator within three days. The Regional Administrator may at his discretion require additional sampling, reporting and monitoring including but not limited to the taking of at least a twenty-four-hour composite sample and/or increased frequency of sampling. Any 30-day or 7-day average reported in the required monitoring report, which is in excess of the effluent limitation specified in Special Condition No. 1, shall constitute evidence of violation of such effluent limitation and of this permit.

(3) Monitoring information required by this permit shall be summarized monthly and recorded on Discharge Monitoring Report form EPA 3320-1.

b. Reporting - The permittee shall make and maintain records of all information resulting from the monitoring activities required by this permit.

(1) The permittee shall record for each measurement or sample taken pursuant to the requirements of this permit the following information: (a) the date, exact place and time of sampling; (b) the dates analyses were performed; (c) who performed the analyses; (d) the analytical techniques or methods used; and (e) the results of all required analyses. (f) the instantaneous flow at grab sample collections.

(2) If the permittee monitors any parameters more frequently than is required by this permit, he shall include the results of such monitoring in the calculation and reporting of the values required in the Discharge Monitoring Report form (EPA Form 3320-1 (10-72)). Such increased frequency shall be indicated on the Discharge Monitoring Report form.

(3) The permittee shall retain for a minimum of three years all records of monitoring activities and results including all records of calibration and maintenance of instrumentation and original recording charts from continuous monitoring instrumentation. This period of retention shall be extended during the course of any unresolved litigation regarding the discharge of pollutants by the permittee or when requested by the State water pollution control agency or the Regional Administrator.

c. Report of Monitoring Information - Monitoring information required shall be submitted on Discharge Monitoring Report forms EPA 3320-1. Each quarterly submittal (see next paragraph) shall include separate forms for each month of the reporting period.

(1) Duplicate original Discharge Monitoring Report forms, for each month of the reporting period, properly completed and signed (as per paragraph (c) below), must be submitted quarterly to:

(a) Executive Director
Texas Water Quality Board
P.O. Box 13246, Capitol Station
Austin, Texas 78711

(b) Environmental Protection Agency
1600 Patterson, Suite 1100
Dallas, Texas 75201

(c) Each submitted Discharge Monitoring Report shall be signed as follows:

1 If submitted by a corporation, State or Federal agency, or other public entity, by a principal executive officer, ranking elected official, commanding officer, or other employee duly authorized by principal executive officer.

2 If submitted by a corporation, by a principal executive officer of at least the level of Vice President, or his duly authorized representative, if such representative is responsible for the overall operation of the facility from which the discharge described in the Discharge Monitoring Report originates;

3 If submitted by a partnership, by a general partner;

4 If submitted by a sole proprietor, by the proprietor.

(2) The first Discharge Monitoring Report shall be submitted within 75 days after the effective date of this permit. Thereafter reporting periods shall end on the 1st day of the months March, June, September and December, unless requested by the Regional Administrator to be submitted more frequently. The permittee shall submit a Discharge Monitoring Report postmarked no later than the twenty-eighth day of the month following each completed reporting period.

(3) The minimum and maximum values called for on EPA form 3320-1 shall be the lowest and highest daily values determined during the month.

(4) Other measurements of oxygen demand (e.g., TOC and COD) may be substituted for five-day Biochemical Oxygen Demand (BOD₅) where the permittee can demonstrate long-term correlation of the method with BOD₅ values. Details of correlation procedures employed must be submitted and prior approval granted by the permitting authority for this procedure to be acceptable. Data reported must also include evidence to show that the proper correlation continues to exist after approval.

(5) Guidelines establishing test procedures for the analysis of pollutants, pursuant to Section 304(g) of the Federal Water Pollution Control Act, as amended, were promulgated on October 3, 1973 and published in the Federal Register under Title 40 Part 136, on October 16, 1973. All sampling and analytical methods used to meet the monitoring requirements specified above shall conform to these guidelines. If the Title 40 Part 136 guidelines do not specify that procedures for any pollutants required to be monitored by this permit, sampling and analytical methods used to meet the monitoring requirements specified in this permit shall, unless otherwise specified by the State water pollution control agency or Regional Administrator, conform to the latest edition of the following references:

(a) Standard Methods for the Examination of Water and Wastewater, American Public Health Association, New York, New York 10019.

(b) A.S.T.M. Standards, Part 23, Water; Atmospheric Analysis, American Society for Testing and Materials, Philadelphia, Pennsylvania 19103.

(c) Methods for Chemical Analysis of Water and Wastes, Environmental Protection Agency Water Quality Office, Analytical Quality Control Laboratory, NERC, Cincinnati, Ohio 45268.

(6) The permittee shall calibrate and perform maintenance procedures on all monitoring and analytical instrumentation at intervals frequent enough to insure accuracy of measurements and shall insure that both calibration and maintenance activities shall be conducted.

(7) Failure to submit any report or information required by this permit shall constitute a violation of this condition and a violation of Section 308(a) of the Federal Water Pollution Control Act of 1972.

3. Noncompliance with Effluent Limitation

a. If for any reason the permittee is responsible for or contributes to an unpermitted discharge, or the permittee does not comply with or will be unable to comply with any effluent limitation specified in this permit, the permittee shall provide the State water quality agency and the Regional Administrator with the following information in writing within five days of becoming aware of such condition;

(1) A description of the noncomplying discharge including its impact upon the receiving waters.

(2) Cause of noncompliance;

(3) Anticipated time the condition of noncompliance is expected to continue, or if such condition has been corrected, the duration of the period of noncompliance;

(4) Steps taken by the permittee to reduce and eliminate the noncomplying discharge; and

(5) Steps to be taken by the permittee to prevent recurrence of the condition of noncompliance.

b. Permittee shall take all reasonable steps to minimize any adverse impact to navigable waters resulting from noncompliance with any effluent limitation specified in this permit.

c. Nothing in this permit shall be construed to preclude the institution of any legal action nor relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation under authority preserved by Section 510 of the Act.

4. Compliance schedule and Conditions

a. Facility Operation and Quality Control Compliance Program

(1) All waste collection, control, treatment and disposal facilities shall be operated in a manner consistent with the following:

(a) At all times, all facilities shall be operated as efficiently as possible and in a manner which will minimize upsets and discharges of excessive pollutants.

(b) The permittee shall provide an adequate operating staff which is duly qualified to carry out the operation, maintenance and testing functions required to insure compliance with the conditions of this permit.

(c) Maintenance of treatment facilities that results in degradation of effluent quality shall be pursuant to a schedule as approved by the Executive Director. No deliberate degradation of effluent quality is authorized under any circumstances without prior written approval of the Executive Director.

*(2) The permittee shall submit the following information 90 days from the date of permit issuance to demonstrate the adequacy of present treatment practices;

(a) A schematic drawing of all waste treatment units showing flow pattern; flow (maximum and average) and load capacities of each unit; bypass arrangements (as they exist) and point of discharge.

(b) A location map or drawing showing the latitude-longitude of each discharge point. Identify the receiving stream and the path of flow from those streams to a major waterway.

(c) A design analysis which describes the capability of the existing treatment facilities to produce an effluent which will meet conditions of this permit throughout the term of the permit. This analysis must identify the effluent quality that could reasonably be expected from existing facilities with present loading and projected future loadings at one-year increments. This analysis must also identify any improvements needed in staffing, operation, maintenance or equipment replacement to achieve and maintain compliance, the point in time when the improvements are needed.

*Subparagraphs (2)(a), (b) and (c) are conditions placed in NPDES permits and are not applicable to this permit issued by the Texas Water Quality Board. Information requested by these subparagraphs are obtained by other means.

* (3) In order to meet the final effluent limitations set forth in Special Condition 1.b, the permittee shall comply with the following schedule:

(a) Not later than 120 days following issuance of this permit, the permittee shall submit a progress report to the Regional Administrator. The report shall include test results of data collected during a 30-day period prior to submittal of the report. These test results shall represent at least one 24-hour composite sample made up of three portions collected no closer together than one hour, with the first sample collected no earlier than 10:00 a.m. or made up as described in Special Condition 2.a.(2), whichever is more stringent.

(b) Not later than 180 days following issuance of this permit, the permittee shall have completed an operation and maintenance program which provides for maximum efficiency of existing facilities. The permittee shall at this time submit a report to the Regional Administrator demonstrating the improvements to effluent quality and shall include test results of data collected during a 30-day period prior to submittal of this report. These test results shall represent at least one 24-hour composite sample per week during the 30-day period. Composite samples shall be made up of at least three portions collected no closer together than one hour, with the first sample collected no earlier than 10:00 a.m. or made up as described in Special Condition 2.a.(2) above, whichever is more stringent.

(c) If the improved operation and maintenance results in compliance with the final effluent limitations stated in 1.b above, those limitations will become effective and the remainder of this compliance schedule will not apply. However, should construction be required to comply with the final effluent limitations in 1.b above, the following schedule shall apply, provided that, should the permittee apply for and receive Federal grant assistance under Title 2 of the Act for facilities construction which may be conditional on a more stringent schedule, the more stringent schedule shall apply:

1 Within 180 days from the date of this permit, an engineering design report must be submitted to the State

*Subparagraphs 3(a), (b) and (c) are conditions placed in NPDES permits and are not applicable to this permit issued by the Texas Water Quality Board.

water quality control agency and the Regional Administrator which describes in detail the facilities needed. The report must be in conformance with the applicable facilities plan for the area, as required under Sections 201, 204, and 212 of the Act.

2 Within 270 days from the date of this permit, the permittee shall obtain approval of proposed treatment facilities modifications from the state water quality control agency and the Regional Administrator and initiate the engineering design.

3 Within 1.0 year from the date of this permit, the permittee shall report on the progress of the engineering design.

4 Within 1.5 years from the date of this permit, the permittee shall obtain approval of final plans and specifications on proposed modifications from the State water quality control agency and the Regional Administration and submit bids related to these plans and specifications.

5 Within 2.0 years from the date of this permit, the permittee shall report on the progress of construction.

6 Within 2.5 years from the date of this permit, the permittee shall complete construction on proposed modifications to obtain at least secondary treatment.

7 Not later than July 1, 1977 all construction necessary to meet the conditions of this permit shall be completed and operational. Adequate time shall be allowed prior to this date to incorporate the new facilities into total operation and verify the production of the required effluent.

General Conditions

1. Discharge Limitations

a. All discharges authorized herein shall be consistent with the terms and conditions of this permit.

b. The discharge of any pollutant more frequently than, or at a level in excess of, that identified and authorized by this permit, shall constitute a violation of the terms and conditions of this permit. Such a violation may result in the imposition of civil and/or criminal penalties as provided for in Chapter 21 of the Texas Water Code.

c. Prior to any facility modifications, additions, and/or expansions that will increase the plant capacity, the permittee shall apply for a permit amendment and receive written approval from the permitting authority of the permit amendment before commencing construction.

d. Any change in the facility discharge, including any new significant discharge or significant changes in the quantity or quality of existing discharges to the treatment system that will result in new or increased discharges of pollutants must be reported to the permitting authority. Modifications to the permit may then be made to reflect any necessary changes in permit conditions, including any necessary effluent limitations for any pollutants not identified and limited herein. In no case are any new connections, increased flows, or significant changes in influent quality permitted that will cause violation of the effluent limitations specified herein.

2. After notice and opportunity for a hearing, this permit may be modified, suspended, or revoked in whole or in part during its term for cause including, but not limited to, the following:

a. Violation of any terms or conditions of this permit;

b. Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or

c. A change in any condition that requires either a temporary suspension or permanent elimination of the permitted discharge.

3. This permit shall be revised or modified in accordance with the following circumstances:

a. Modification of Water Quality Standards which affect the conditions of this permit.

b. If a toxic effluent standard or prohibition (including any schedule of compliance specified in such effluent standard or prohibition) is established under Section 307(a) of the Act for a toxic pollutant which is present in the discharge authorized herein and such standard or prohibition is more stringent than any limitation upon such pollutant in this permit.

4. The permittee is hereby notified that the State and/or local governments specifically reserve all rights of entry and inspection granted them by the law.

The permittee shall allow the Regional Administrator and/or his authorized representatives, upon the presentation of credentials:

a. To enter upon the permittee's premises or other premises under the control of the permittee, where an effluent source is located or in which any records are required to be kept under the terms and conditions of this permit;

b. To have access to and copy at reasonable times any records required to be kept under the terms and conditions of this permit;

c. To inspect at reasonable times any monitoring equipment or monitoring method required in this permit;

d. To sample at reasonable times any discharge of pollutant; or

e. To perform at reasonable times an operation and maintenance inspection of the permitted facility.

5. The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations; nor does it obviate the necessity of obtaining Federal or local assent required by law for the permitted discharge.

6. This permit does not authorize or approve the construction of any onshore or offshore physical structures or facilities or the undertaking of any work in any navigable waters.

* 7. This permit does not authorize or approve any agriculture, silviculture, or aquaculture project in connection with wastewater reuse.

*This is a General Condition placed in NPDES permits and is not applicable to this permit issued by the Texas Water Quality Board. In some instances, the Board does authorize and approve waste treatment operations which utilize controlled agriculture and silvaculture projects in conjunction with wastewater disposal.

8. The Executive Director shall from time to time review the terms and conditions of this permit and if in his opinion changes are justified, modification to the permit may then be made in accordance with the appropriate regulation procedure to reflect any necessary changes in permit terms or conditions.

9. Solids Disposal

Collected screenings, slurries, sludges, and other solids shall be disposed of in such a manner as to prevent entry of those wastes (or runoff from the wastes) into state waters or their tributaries.

10. Electric Power Failure

The permittee is responsible for maintaining adequate safeguards to prevent the discharge of untreated or inadequately treated wastes during electrical power failures either by means of alternate power sources, standby generators or retention of inadequately treated effluent. Should the treatment works not include the above capabilities at time of permit issuance, the permittee must furnish within 120 days to the permitting authority, for approval, plans for such facilities and an implementation schedule for their installation.

11. Prohibition of Bypass of Treatment Facilities

The diversion or bypass of any discharge from facilities utilized by the permittee to maintain compliance with the terms and conditions of this permit is prohibited, except (i) where unavoidable to prevent loss of life or severe property damage, (ii) where excessive storm drainage or runoff would damage any facilities necessary for compliance, or (iii) where authorized under a program of preventive or corrective maintenance as approved by the Executive Director of the Texas Water Quality Board. The permittee shall within 72 hours notify the permit issuing authority in writing of each unauthorized diversion or bypass in accordance with the procedure specified for reporting non-compliance.

12. Change in Control or Ownership of Facility

In the event of any change in control or ownership of facilities from which the authorized discharges emanate, the permittee shall notify the succeeding owner or controller of the existence of this permit by letter, a copy of which shall be forwarded to the State water pollution control agency and the Regional Administrator.

13. Severability of Conditions

The conditions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

14. Except for data determined to be confidential under Rule 115.2 of the current Rules of the Texas Water Quality Board, Section 21.264 of the Texas Water Code, and Section 308 of the Act, all monitoring reports required by this permit shall be available for public inspection at the office of the State water quality control agency and the Regional Administrator. Knowingly making any false statement on any such report may result in the imposition of criminal penalties as provided in State law.

15. Nothing in this permit shall be construed to preclude the institution of any legal action nor relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or local regulation under authority preserved by Section 510 of the Act.

OTHER REQUIREMENTS

*1. Interim Effluent Limitations

- a. Each pollutant concentration in a grab sample in excess of the value shown for such pollutant in Column 2 of Table 1 constitutes a violation of the permit.

When three, four, or five consecutive grab samples have been collected at various times on separate days by the same entity, the existence of concentrations of any specific pollutant in more than two samples in excess of the value shown for the specific pollutant in Column 1 of Table 1 is a violation.

Table 1

<u>Pollutant</u>	<u>Column 1</u>	<u>Column 2</u>
BOD ₅ mg/l		
Suspended Solids mg/l		

The foregoing requirements shall be applied with judgment and in the context of the other information available.

- b. Each pollutant concentration in a 24-hour composite sample in excess of the value shown for such pollutant in Column 1 of Table 2 constitutes a violation of the permit.

Table 2

<u>Pollutant</u>	<u>Column 1</u>
BOD ₅ mg/l	
Suspended Solids. mg/l	

*Interim Effluent Limitations are not applicable to this permit.

2. Final Effluent Limitations

- a. Each pollutant concentration in a grab sample in excess of the value shown for such pollutant in Column 2 of Table 3 constitutes a violation of the permit.

When three, four, or five consecutive grab samples have been collected at various times on separate days by the same entity, the existence of concentrations of any specific pollutant in more than two samples in excess of the value shown for the specific pollutant in Column 1 of Table 3 is a violation.

<u>Table 3</u>		
<u>Pollutant</u>	<u>Column 1</u>	<u>Column 2</u>
BOD ₅ mg/l	35	65
Suspended Solids mg/l	35	65

The foregoing requirements shall be applied with judgment and in the context of the other relevant information available.

- b. Each pollutant concentration in a 24-hour composite sample in excess of the values shown for such pollutant in Column 1 of Table 4 constitutes a violation of the permit.

<u>Table 4</u>	
<u>Pollutant</u>	<u>Column 1</u>
BOD ₅ mg/l	45
Suspended Solids mg/l	45

3. Projected Effluent Limitations

It has been determined that in order to maintain Water Quality Standards for the receiving stream identified on the cover sheet of this permit the following shall apply:

	<u>Effluent Concentrations</u>			<u>Effluent Loading</u>	
	Unit of Measurement	30-day Average	7-day Average	30-day Average	
Biochemical Oxygen Demand (5-day)....	mg/l	10	20	BOD ₅ .. 114	kg/day
				BOD ₅ .. 250	lbs/day
Suspended Solids..	mg/l	15	25	TSS... 170	kg/day
				TSS... 376	lbs/day
Fecal Coliform Bacteria.....	Number/100ml	200	400		

Therefore, immediately upon issuance of this permit the permittee shall commence studies and preparation of plans to attain these limits at the earliest possible date. Prior to expiration of this permit, an extensive review of the applicant's progress shall be made by the Texas Water Quality Board. Throughout the duration of this permit the permittee shall submit a report every six months which outlines progress being made toward attainment of the limitations specified above.

4. These public sewerage facilities shall be operated and maintained by a sewage plant operator holding a valid certificate of competency issued under the direction of the Texas State Health Department as required by Section 20 (a) of Article 4477-1, Vernon's Texas Civil Statutes.
5. The plans and specifications for the waste collection and treatment works associated with the discharge authorized by this permit must be approved pursuant to state law, and failure to secure approval before commencing construction of such works or making a discharge therefrom is a violation of this permit and each day of discharge is an additional violation until approval has been secured.
6. This permit is granted subject to the policy of the Board to encourage the development of area-wide waste collection, treatment and disposal systems. The Board reserves the right to amend this permit in accordance with applicable procedural requirements to require the system covered by this permit to be integrated into an area-wide system, should such be developed, to require the delivery of the wastes authorized to be collected in, treated by or discharged from said system, to such area-wide system; or to amend this permit in any other particular to effectuate the Board's policy. Such amendments may be made when, in the judgment of the Board, the changes required thereby are advisable for water quality control purposes and are feasible on the basis of waste treatment technology, engineering, financial, and related considerations existing at the time the changes are required, exclusive of the loss of investment in or revenues from any then existing or proposed waste collection, treatment or disposal system.

7. Items stamped N.P.D.E.S. REQUIREMENTS ONLY do not apply to this permit and are retained in this permit to preserve the form and numbering system of a National Pollutant Discharge Elimination System permit. The items stamped N.P.D.E.S. REQUIREMENTS ONLY in this permit were secured from a standard U.S. Environmental Protection Agency permit format existent in February, 1974, and they may or may not be identical to the requirements or conditions of the actual N.P.D.E.S. permit applicable to the facility covered by this permit. It is necessary to examine the issued N.P.D.E.S. permit authorizing discharge to determine the actual N.P.D.E.S. requirements.

DEFINITIONS

All definitions contained in Section 21.002 of the Texas Water Code and Paragraph 502 of the Act shall apply to this permit and are incorporated therein by reference. Additional definitions of words or phrases used in this permit are as follows:

1. The term "Act" means the Federal Water Pollution Control Act, as amended, Public Law 92-500 (33 USC 1251 et seq).
2. The term "Environmental Protection Agency" means the U. S. Environmental Protection Agency.
3. The term "Administrator" means the Administrator of the U. S. Environmental Protection Agency.
4. The term "Regional Administrator" means one of the Regional Administrators of the U. S. Environmental Protection Agency.
5. The term "National Pollutant Discharge Elimination System" (hereinafter referred to as "NPDES") means the system for issuing, conditioning, and denying permits for the discharge of pollutants from the point sources into the navigable waters, the contiguous zone, and the oceans, by the Administrator of the Environmental Protection Agency pursuant to section 402 of the Federal Water Pollution Control Act, as amended.
6. The term "applicable effluent standards and limitations" means all State and Federal effluent standards and limitations to which a discharge is subject under the Act, including, but not limited to, effluent limitations, standards of performance, toxic effluent standards and prohibitions, and pretreatment standards.
7. The term "applicable water quality standards" means all water quality standards to which a discharge is subject under the Act and which have been (a) approved or permitted to remain in effect by the Administrator following submission to him pursuant to Section 303(a) of the Act, or (b) promulgated by the Administrator pursuant to section 303(b) or 303(c) of the Act.
8. The term "sewage" means human body wastes and the wastes from toilets and other receptacles intended to receive or retain body wastes.
9. The term "sewage sludge" shall mean the solids and precipitates separated from wastewater by unit processes.

10. The term "treatment works" means any devices and systems used in the storage, treatment, recycling, and reclamation of municipal sewage or industrial wastes of a liquid nature to implement section 201 of the Act, or necessary to recycle or reuse water at the most economical cost over the estimated life of the works, including intercepting sewers, sewage collection systems, pumping, power, and other equipment, and their appurtenances; extension, improvement, remodeling, additions, and alterations thereof; elements essential to provide a reliable recycled supply such as standby treatment units and clear well facilities; and any works, including site acquisition of the land that will be an integral part of the treatment process or is used for ultimate disposal of residues resulting from such treatment.

11. The term "grab sample" means an individual sample collected in less than 15 minutes.

12. The term "uncontaminated water" means water which has no direct contact with any product or raw material and which does not contain a level of constituents detectably higher than that of the intake water.

13. The term "permitting authority" means the State water quality control agency or the Environmental Protection Agency, who physically issues the permit.

RECEIVED JUL 7 1981
mt

TEXAS DEPARTMENT OF WATER RESOURCES
1700 N. Congress Avenue
Austin, Texas



Harvey Davis
Executive Director

TEXAS WATER DEVELOPMENT BOARD

Louis A. Beecherl, Jr., Chairman
John H. Garrett, Vice Chairman
George W. McCleskey
Glen E. Roney
W. O. Bankston
Lonnie A. "Bo" Pilgrim

gr
TEXAS WATER COMMISSION

Felix McDonald, Chairman
Dorsey B. Hardeman
Joe R. Carroll

NOTICE OF APPLICATION FOR WASTE DISCHARGE PERMIT RENEWAL

City of Pasadena (Vince Bayou 1A-West Plant), P. O. Box 672, Pasadena, Texas 77501 has applied to the Texas Department of Water Resources for a renewal of Permit No. 10053-01 which authorizes a discharge of treated domestic sewage effluent at a volume not to exceed an average flow of 3,000,000 gallons per day from the treatment facilities which are located on the west bank of Vince Bayou, west of McDonald Street and north of the West Richey Access Road in Pasadena, Harris County, Texas.

The treated domestic sewage effluent is discharged into Vince Bayou, thence to the Houston Ship Channel in the San Jacinto River Basin. The permit, if renewed by the Commission, will specify conditions and limitations generally the same as those currently enforced by the existing permit. The expiration date of the existing permit was January 28, 1980. It is proposed that the expiration date be specified as midnight, five years after date of Commission approval.

LEGAL AUTHORITY: Section 26.028 of the Texas Water Code, as amended, and Chapter 25 of the Rules of the Texas Department of Water Resources.

No public hearing will be held on this application unless an affected person who has received notice of the application has requested a public hearing. Any such request for a public hearing shall be in writing and contain (1) the name, mailing address, and phone number of the person making the request; and (2) a brief description of how the requester, or persons represented by the requester, would be adversely affected by the granting of the application. If the Commission determines that the request sets out an issue which is relevant to the waste discharge permit decision, or that a public hearing would serve the public interest, the Commission shall conduct a public hearing, after the issuance of proper and timely notice of the hearing. If no sufficient request for hearing is received within 45 days of the date of publication of the notice concerning the application, the permit will be submitted to the Commission for final decision on the application.

Requests for a public hearing and/or requests for further information concerning any aspect of the application should be submitted in writing to Larry R. Soward, Assistant Chief Hearings Examiner, Texas Water Commission, P. O. Box 13087, Capitol Station, Austin, Texas 78711, Telephone (512) 475-1311.

Issued this 30th day of June, 1981.

(Seal)

Mary Ann Hefner
Mary Ann Hefner, Chief Clerk
Texas Water Commission

MONTHLY EFFLUENT DATA

PERMITTEE: PASADENA, CITY OF
FACILITY : OTFL 001 PLANT 1-A

DISTRICT---- C7 DEER PARK
COUNTY----- 101 HARRIS
RIV. BASIN-- 10 SAN JACINTO RIVER BASIN
STREAM SEG.- 1006

PERMIT OTFL HRN

PRIMARY WQ0010053 001 001
SECOND TX0047902 001 000

* PERMITTED CONDITIONS *

EFFLUENT SETS IN EFFECT FOR THIS PERIOD:

SET 01 F BEGINS-- 750128 ENDS-- 810127

	VALUE FR	TY*	VALUE FR	TY*	VALUE FR	TY*	VALUE FR	TY*	VALUE FR	TY*
*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
000035342	:000045342		:003101024		:003101060		:003102024			
DISCHRG	DAYS : BYPASS	DAYS	: BOD5	MG/L	: BOD5	MG/L	: BOD5	LBS/DAY		
DAYS/MTH	: DAYS/MTH		: DLY.AVG.		: MX 24CMP		: DLY.AVG.			
SET 01	: 01 01:	01 01:	: 20.00	14 08:	: 45.00	14 08:	: 500.00	14 08:		
004006080	:004006081		:005301024		:005301060		:005302024			
PH	STD UNIT: PH	STD UNIT: TSS	MG/L	: TSS	MG/L	: TSS	LB/DAY			
MAXIMUM	: MINIMUM	: DLY.AVG.		: MX 24CMP		: DLY.AVG.				
SET 01	: 9.00	14 03:	: 6.00	14 03:	: 20.0	14 08:	: 45.0	14 08:	: 500.0	14 08:
500497339	:500507124		:500507150		:500611081		:990000001			
WW BYPAS	MG : FLOW	MGD : FLOW	MG/L	: CL2 RES	MG/L	: CERTIFI-				
TOTAL	: DLY.AVG.	: DLY.MAX.		: MINIMUM		: CATE NO.				
SET 01	: 01 01:	3.000000 02 11:	6.000000 02 11:		1.00 08 03:					
990000002	:990000003									
GRADE	: CERT EX- YMHDD									
A,B,C,D	: PIREDATE									
SET 01	: 01 01:									

SAMPLING FREQUENCIES USED:
01) NOT APPLICABLE
02) CONTINUOUS WITH TOTALIZER
08) ONE / DAY
14) ONE / WEEK
SAMPLE TYPES USED:
01) NOT APPLICABLE
03) GRAB PEAK LOAD < 15 MIN.
08) 6+ COMP-1HR MINM-24H-10AM
11) CONTINUOUS WITH TOTALIZER

MONTHLY EFFLUENT DATA

PERMITTEE: PASADENA, CITY OF
FACILITY : OTFL DD1 PLANT 1-A

DISTRICT---- C7 DEER PARK
COUNTY----- 101 HARRIS
RIV. BASIN-- 10 SAN JACINTO RIVER BASIN
STREAM SEG.- 1006

PERMIT OTFL HRN

PRIMARY WQ0010053 001 001
SECOND TX0047902 001 000

REPORT MONTH	VALUE FR	TY*	VALUE FR	TY*	VALUE FR	TY*	VALUE FR	TY*	VALUE FR	TY*
YY/MM	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
000035342	:000045342		:003101024		:003101060		:003102024			
DISCHRG	DAYS	: BYPASS	DAYS	: BOD5	MG/L	: BOD5	MG/L	: BOD5	LBS/DAY	
DAYS/MTH		: DAYS/MTH		: DLY.AVG.		: MX 24CMP		: DLY.AVG.		
79/05	31 01 01:	0 01 01:	86.	14 08:	102.	14 08:	1004.13	14 08:	SAMPLING FREQUENCIES USED:	
79/06	25 01 01:	5 01 01:	28.	15 08:	44.	15 08:	301.24	15 08:	01) NOT APPLICABLE	
79/07	31 01 01:	0 01 01:	38.	15 08:	47.	15 08:	373.96	15 08:	02) CONTINUOUS WITH TOTALIZER	
79/08	31 01 01:	0 01 01:	43.5	14 08:	56.	14 08:	293.13	14 08:	08) ONE / DAY	
79/09	30 01 01:	0 01 01:	33.	15 08:	42.	15 08:	194.58	15 08:	10) ONE / WORKDAY, NOT < 5/WK.	
79/10	31 01 01:	0 01 01:	45.3	15 08:	47.0	15 08:	302.24	15 08:	14) ONE / WEEK	
79/11	30 01 01:	0 01 01:	46.66	15 08:	55.	15 08:	272.40	15 08:	15) THREE / MONTH	
79/12	31 01 01:	0 01 01:	51.25	14 08:	84.0	14 08:	213.71	14 08:	16) TWO / MONTH	
80/01	31 01 01:	0 01 01:	47.4	14 08:	66.	14 08:	553.44	14 08:		
80/02	29 01 01:	0 01 01:	51.0	14 08:	53.0	16 08:	403.2	16 08:	SAMPLE TYPES USED:	
80/03	31 01 01:	0 01 01:	58.	14 08:	96.	14 08:	441.63	14 08:	01) NOT APPLICABLE	
80/04	:	:	:	:	:	:	:	:	03) GRAB PEAK LOAD < 15 MIN.	
004006080	:004006081		:005301024		:005301060		:005302024		08) 6+ COMP-1HR MINM-24H-10AM	
PH	STD UNIT:	PH	STD UNIT:	TSS	MG/L	: TSS	MG/L	: TSS	LB/DAY	
MAXIMUM		: MINIMUM		: DLY.AVG.		: MX 24CMP		: DLY.AVG.		
79/05	7.4 14 03:	7.2 14 03:	61.	14 08:	71.	14 08:	712.2	14 08:		
79/06	7.5 15 08:	7.1 15 08:	29.	15 08:	44.	15 08:	311.9	15 08:		
79/07	7.4 15 :	7.2 15 :	27.	15 08:	36.	15 08:	265.7	08:		
79/08	7.3 14 08:	7.1 14 08:	46.	14 08:	53.	14 08:	309.9	14 08:		
79/09	7.4 15 08:	7.2 15 08:	45.6	15 08:	56.	15 08:	269.2	15 08:		
79/10	7.6 15 08:	7.3 15 08:	37.	15 08:	43.	15 08:	246.8	08:		
79/11	7.7 15 08:	7.4 15 08:	52.	15 08:	61.	15 08:	303.5	15 08:		
79/12	7.6 14 03:	7.3 14 03:	35.5	14 08:	40.0	14 08:	148.03	14 08:		
80/01	7.8 14 03:	7.4 14 03:	34.0	14 08:	60.0	14 08:	396.9	14 08:		
80/02	7.5 15 08:	7.3 15 08:	27.3	15 08:	27.0	15 08:	228.7	14 08:		
80/03	7.3 14 03:	6.7 14 03:	21.0	14 08:	41.0	14 08:	159.9	14 08:		
80/04	:	:	:	:	:	:	:	:		
500497339	:500507124		:500507150		:500611081		:990000001			
WW BYPAS	MG	: FLOW	MGD	: FLOW	MG/L	: CL2 RES	MG/L	: CERTIFI-		
TOTAL		: DLY.AVG.		: DLY.MAX.		: MINIMUM		: CATE NO.		
79/05	0. 01 01:	1.407 02 11:	1.982 02 11:	1.5 08 03:	461546070	01 01:				
79/06	0. 01 01:	1.291280 02 11:	1.866 02 11:	1.6 10 03:	461546070	01 01:				
79/07	0. 01 01:	1.180096 02 11:	1.518 02 11:	1.0 08 03:	461546070	01 01:				
79/08	0. 01 01:	.808387 02 11:	1.170 02 11:	1.0 08 03:	461546070	01 01:				
79/09	0. 01 01:	.707833 02 11:	1.123 02 11:	1.1 08 03:	461546070	01 01:				
79/10	0. 01 01:	.779742 02 11:	1.154 02 11:	1.0 08 03:	461588060	01 01:				
79/11	0. 01 01:	.6983 02 11:	1.175 02 11:	1.0 08 03:	461526070	01 01:				
79/12	0. 01 01:	.536548 02 11:	1.427 02 11:	1.0 08 03:	461546070	:				
80/01	0. 01 01:	1.439258 02 11:	2.039 02 11:	1.3 08 03:	461546070	01 01:				
80/02	0. 01 01:	.996103 02 11:	1.769000 02 11:	1.4 08 03:	461546070	01 01:				
80/03	0. 01 01:	.913677 02 11:	1.032 02 11:	1.1 08 03:	461546070	01 01:				
80/04	:	:	:	:	:	:				

MONTHLY EFFLUENT DATA

PERMITTEE: PASADENA, CITY OF
FACILITY : OTFL 001 PLANT 1-A

DISTRICT--- 17 DEER PARK
COUNTY----- 101 HARRIS
RIV. BASIN-- 10 SAN JACINTO RIVER BASIN
STREAM SEG.- 1006

PERMIT OTFL HRN

PRIMARY WQDD10053 001 001
SECOND TX0047902 001 000

REPORT MONTH YY/MM	* *	VALUE FR *	TY* *	VALUE FR *	TY* *	VALUE FR *	TY* *	VALUE FR *	TY* *	VALUE FR *	TY* *

		990000002		:990000003							
		GRADE		:CERT EX-	YYMMDD						
		A,B,C,D		:PI REDATE							
79/05	B	01	01:	821228	01	01:					
79/06	B	01	01:	821228	01	01:					
79/07	B	01	01:	821228	01	01:					
79/08	B	01	01:	821228	01	01:					
79/09	B	01	01:	821228	01	01:					
79/10	B	01	01:	821228	01	01:					
79/11	B	01	01:	821228	01	01:					
79/12	B		:	821228		:					
80/01	B	01	01:	821228	01	01:					
80/02	B		:	821228		:					
80/03	B	01	01:	821228	01	01:					
80/04			:			:					

SAMPLING FREQUENCIES USED:
01) NOT APPLICABLE

SAMPLE TYPES USED:
01) NOT APPLICABLE



TEXAS WATER QUALITY BOARD

P.O. Box 13246, Capitol Station
Austin, Texas 78711

PERMIT TO DISPOSE OF WASTES
under provisions of Chapter 21
of the Texas Water Code

PERMIT NO. 10053 Page 1
(Corresponds to
NPDES PERMIT NO. TX)

This permit supersedes and replaces
Page 1 (issued December 22, 1969) of
Permit No. 10053.

~~551-B~~

whose mailing address is
1211 East Southmore Street
Pasadena, Texas 77502

Key Map # 536 G

is authorized to dispose of wastes from of Vince Bayou)

located on the west bank of Vince Bayou west of McDonald Street and north
of the West Richey Access Road in Pasadena, Harris County, Texas

to Vince Bayou; thence to the Houston Ship Channel (Segment No. 1006) in
the San Jacinto River Basin

in accordance with effluent limitations, monitoring requirements and
other conditions set forth herein. This permit is granted subject to
the rules of the Board, the laws of the State of Texas, and further
orders of the Board issued in accordance with said rules and laws.

This permit shall become effective on date of Board approval.

This permit and the authorizations contained herein shall expire
at midnight, January 28, 1980.

APPROVED this 28th day of January, 1975

Dick Whitting
Executive Director
Deputy

J. Douglas Zook
For the Board

Special Conditions

1. Effluent Limitations

*a. Interim Effluent Limitations

During the period beginning _____ and lasting through _____ the permittee is authorized to discharge subject to the following effluent limitations:

The arithmetic average of the daily flows of effluent discharged from the wastewater treatment facility for any month shall not exceed _____ million gallons per day (mgd). Nor shall the maximum discharge on any given day exceed _____ mgd.

	<u>Effluent Concentrations</u>		<u>Effluent Loading</u>	
	Unit of Measurement	30-day Average	7-day Average	30-day Average
Biochemical Oxygen Demand (5-day)....	mg/l			BOD ₅ ... kg/day BOD ₅ ... lbs/day
Suspended Solids..	mg/l			TSS... kg/day TSS... lbs/day
Fecal Coliform Bacteria.....	Number/100ml			

The effluent shall contain a chlorine residual of at least _____ mg/l after a detention time of at least _____ minutes (based on peak flow).

b. Final Effluent Limitations

During the period beginning _____ upon date of issuance and lasting through _____ the date of expiration _____ the permittee is authorized to discharge subject to the following effluent limitations:

The arithmetic average of the daily flows of effluent discharged from the wastewater treatment facility for any month shall not exceed 3.0 million gallons per day (mgd). Nor shall the maximum discharge on any given day exceed 6.0 mgd.

*Interim Effluent Limitations are not applicable to this permit.

	<u>Effluent Concentrations</u>			<u>Effluent Loading</u>	
	Unit of Measurement	30-day Average	7-day Average	30-day Average	
Biochemical Oxygen Demand (5-day)....	mg/l	20	30	BOD5.. 227 kg/day BOD5.. 500 lbs/day	
Suspended Solids..	mg/l	20	30	TSS.. 227 kg/day TSS... 500 lbs/day	
Fecal Coliform.... Bacteria.....	Number/100ml	200	400		

The effluent shall contain a chlorine residual of at least 1.0 mg/l after a detention time of at least 20 minutes (based on peak flow).

c. The following definitions apply:

(1) The 30-day average, other than for fecal coliform bacteria, is the arithmetic mean of the values for all effluent samples collected in a period of 30 consecutive days. The 30-day average for fecal coliform bacteria is the geometric mean of the values for all effluent samples collected in a period of 30 consecutive days.

(2) The 7-day average, other than for fecal coliform bacteria is the arithmetic mean of the values for all effluent samples collected in a period of 7 consecutive days. The 7-day average for fecal coliform bacteria is the geometric mean of the values for all effluent samples collected in a period of 7 consecutive days.

(3) A 24-hour composite sample consists of several effluent portions collected over equally spaced intervals in a 24-hour period and composited according to flow. For fecal coliform bacteria, a sample consists of one effluent grab portion collected during a 24-hour period at peak loads.

d. The pH of the effluent shall not be less than 6.0 nor greater than 9.0 at any time. The pH limitation is not subject to averaging.

e. An equivalent method of disinfection may be substituted with the prior approval of the permitting authority.

f. The permittee shall not discharge floating solids nor shall the discharge of the effluent result in the existence of persistent foam beyond the immediate vicinity of the outfall(s).

*2. Monitoring, Recording and Reporting (See Footnote for Applicable State Requirements)

a. Monitoring - The permittee shall effectively monitor the operation and efficiency of all treatment and control facilities and the quantity and quality of the effluent discharge.

N.P.D.E.S. REQUIREMENTS ONLY
() Samples for effluent analysis shall be collected immediately following the last treatment unit, unless special locations are specified under Collecting of Samples below.

*This section does not apply to permits issued by the Texas Water Quality Board. Until notified by the Texas Water Quality Board to do otherwise, the permittee shall comply with the reporting requirements of Board Order No. 69-1219-1.

(2) Monitoring shall be in accordance with Schedule E as follows:

Flow	BOD ₅ mg/l	Total Suspended Solids, mg/l	Settleable Solids ml/l	Chlorine Residual	Fecal Coliform
The daily flow measured by a totalizing meter	One each week	One each week	Two each week	One each day or this week	One per week

Collecting of Samples

The laboratory test excepting the chlorine residual test and the fecal coliform test shall be made on a composite sample made up of six portions collected no closer together than one hour and with the first sample collected no earlier than 10:00 A.M. If any sample analysis required by the foregoing monitoring schedule exceeds the effluent limitations specified in Special Condition No. 1, the permittee shall report the excursion to the Regional Administrator within three days. The Regional Administrator may at his discretion require additional sampling, reporting or monitoring including but not limited to the taking of at least one twenty-four-hour composite sample and/or increased frequency of sampling. Any 30-day or 7-day average reported in the required monitoring report, which is in excess of the effluent limitation specified in Special Condition No. 1, shall constitute evidence of violation of such effluent limitation and of this permit.

(3) Monitoring information required by this permit shall be summarized monthly and recorded on Discharge Monitoring Report form EPA 3320-1.

b. Reporting - The permittee shall make and maintain records of all information resulting from the monitoring activities required by this permit.

(1) The permittee shall record for each measurement or sample taken pursuant to the requirements of this permit the following information: (a) the date, exact place and time of sampling; (b) the dates analyses were performed; (c) who performed the analyses; (d) the analytical techniques or methods used; and (e) the results of all required analyses, (f) the instantaneous flow at grab sample collections.

(2) If the permittee monitors any parameters more frequently than is required by this permit, he shall include the results of such monitoring in the calculation and reporting of the values required in the Discharge Monitoring Report form (EPA Form 3320-1 (10-72)). Such increased frequency shall be indicated on the Discharge Monitoring Report form.

(3) The permittee shall retain for a minimum of three years all records of monitoring activities and results including all records of calibration and maintenance of instrumentation and original recording charts from continuous monitoring instrumentation. This period of retention shall be extended during the course of any unresolved litigation regarding the discharge of pollutants by the permittee or when requested by the State water pollution control agency or the Regional Administrator.

c. Report of Monitoring Information - Monitoring information required shall be submitted on Discharge Monitoring Report forms EPA 3320-1. Each quarterly submittal (see next paragraph) shall include separate forms for each month of the reporting period.

(1) Duplicate original Discharge Monitoring Report forms, for each month of the reporting period, properly completed and signed (as per paragraph (c) below), must be submitted quarterly to:

(a) Executive Director
Texas Water Quality Board
P.O. Box 13246, Capitol Station
Austin, Texas 78711

Environmental Protection Agency
1600 Patterson, Suite 1100
Dallas, Texas 75201

(c) Each submitted Discharge Monitoring Report shall be signed as follows:

1 If submitted by a corporation, State or Federal agency, or other public entity, by a principal executive officer, ranking elected official, commanding officer, or other employee duly authorized by principal executive officer.

2 If submitted by a corporation, by a principal executive officer of at least the level of Vice President, or his duly authorized representative, if such representative is responsible for the overall operation of the facility from which the discharge described in the Discharge Monitoring Report originates;

3 If submitted by a partnership, by a general partner;

4 If submitted by a sole proprietor, by the proprietor.

(2) The first Discharge Monitoring Report shall be submitted within 75 days after the effective date of this permit. Thereafter reporting periods shall end on the 1st day of the months March, June, September and December, unless requested by the Regional Administrator to be submitted more frequently. The permittee shall submit a Discharge Monitoring Report postmarked no later than the twenty-eighth day of the month following each completed reporting period.

(3) The minimum and maximum values called for on EPA form 3320-1 shall be the lowest and highest daily values determined during the month.

(4) Other measurements of oxygen demand (e.g., TOC and COD) may be substituted for five-day Biochemical Oxygen Demand (BOD₅) where the permittee can demonstrate long-term correlation of the method with BOD₅ values. Details of correlation procedures employed must be submitted and prior approval granted by the permitting authority for this procedure to be acceptable. Data reported must also include evidence to show that the proper correlation continues to exist after approval.

(5) Guidelines establishing test procedures for the analysis of pollutants, pursuant to Section 304(g) of the Federal Water Pollution Control Act, as amended, were promulgated on October 3, 1973 and published in the Federal Register under Title 40 Part 136, on October 16, 1973. All sampling and analytical methods used to meet the monitoring requirements specified above shall conform to these guidelines. If the Title 40 Part 136 guidelines do not specify that procedures for any pollutants required to be monitored by this permit, sampling and analytical methods used to meet the monitoring requirements specified in this permit shall, unless otherwise specified by the State water pollution control agency or Regional Administrator, conform to the latest edition of the following references:

(a) Standard Methods for the Examination of Water and Wastewater, American Public Health Association, New York, New York 10019.

(b) A.S.T.M. Standards, Part 23, Water; Atmospheric Analysis, American Society for Testing and Materials, Philadelphia, Pennsylvania 19103.

(c) Methods for Chemical Analysis of Water and Wastes, Environmental Protection Agency Water Quality Office, Analytical Quality Control Laboratory, NERC, Cincinnati, Ohio 45268.

(6) The permittee shall calibrate and perform maintenance procedures on all monitoring and analytical instrumentation at intervals frequent enough to insure accuracy of measurements and shall insure that both calibration and maintenance activities shall be conducted.

(7) Failure to submit any report or information required by this permit shall constitute a violation of this condition and a violation of Section 308(a) of the Federal Water Pollution Control Act of 1972.

3. Noncompliance with Effluent Limitation

a. If for any reason the permittee is responsible for or contributes to an unpermitted discharge, or the permittee does not comply with or will be unable to comply with any effluent limitation specified in this permit, the permittee shall provide the State water quality agency and the Regional Administrator with the following information in writing within five days of becoming aware of such condition;

(1) A description of the noncomplying discharge including its impact upon the receiving waters.

(2) Cause of noncompliance;

(3) Anticipated time the condition of noncompliance is expected to continue, or if such condition has been corrected, the duration of the period of noncompliance;

(4) Steps taken by the permittee to reduce and eliminate the noncomplying discharge; and

(5) Steps to be taken by the permittee to prevent recurrence of the condition of noncompliance.

b. Permittee shall take all reasonable steps to minimize any adverse impact to navigable waters resulting from noncompliance with any effluent limitation specified in this permit.

c. Nothing in this permit shall be construed to preclude the institution of any legal action nor relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation under authority preserved by Section 510 of the Act.

4. Compliance Schedule and Conditions

a. Facility Operation and Quality Control Compliance Program

(1) All waste collection, control, treatment and disposal facilities shall be operated in a manner consistent with the following:

(a) At all times, all facilities shall be operated as efficiently as possible and in a manner which will minimize upsets and discharges of excessive pollutants.

(b) The permittee shall provide an adequate operating staff which is duly qualified to carry out the operation, maintenance and testing functions required to insure compliance with the conditions of this permit.

(c) Maintenance of treatment facilities that results in degradation of effluent quality shall be pursuant to a schedule as approved by the Executive Director. No deliberate degradation of effluent quality is authorized under any circumstances without prior written approval of the Executive Director.

*(2) The permittee shall submit the following information 90 days from the date of permit issuance to demonstrate the adequacy of present treatment practices;

(a) A schematic drawing of all wastewater treatment units showing flow pattern; flow (maximum and average) and load capacities of each unit; bypass arrangements (as may exist) and point of discharge.

(b) A location map or drawing showing the latitude-longitude of each discharge point. Identify the receiving water body and the path of flow from those streams to a major waterway.

(c) A design analysis which describes the capability of the existing treatment facilities to produce an effluent which will meet conditions of this permit throughout the term of the permit. This analysis must identify the effluent quality that could reasonably be expected from existing facilities with present loading and projected future loadings at one-year increments. This analysis must also identify any improvements needed in staffing, operation, maintenance or equipment replacement to achieve and maintain compliance, the point in time when the improvements are needed.

*Subparagraphs (2)(a), (b) and (c) are conditions placed in NPDES permits and are not applicable to this permit issued by the Texas Water Quality Board. Information requested by these subparagraphs are obtained by other means.

* (3) In order to meet the final effluent limitations set forth in Special Condition 1.b, the permittee shall comply with the following schedule:

(a) Not later than 120 days following issuance of this permit, the permittee shall submit a progress report to the Regional Administrator. The report shall include test results of data collected during a 30-day period prior to submittal of the report. These test results shall represent at least one 24-hour composite sample made up of three portions collected no closer together than one hour, with the first sample collected no earlier than 10:00 a.m. or made up as described in Special Condition 2.a.(2), whichever is more stringent.

(b) Not later than 180 days following issuance of this permit, the permittee shall have completed an operation and maintenance program which provides for maximum efficiency of existing facilities. The permittee shall at this time submit a report to the Regional Administrator demonstrating the improvements to effluent quality and shall include test results of data collected during a 30-day period prior to submittal of this report. These test results shall represent at least one 24-hour composite sample per week during the 30-day period. Composite samples shall be made up of at least three portions collected no closer together than one hour, with the first sample collected no earlier than 10:00 a.m. or made up as described in Special Condition 2.a.(2) above, whichever is more stringent.

(c) If the improved operation and maintenance results in compliance with the final effluent limitations stated in 1.b above, those limitations will become effective and the remainder of this compliance schedule will not apply. However, should construction be required to comply with the final effluent limitations in 1.b above, the following schedule shall apply, provided that, should the permittee apply for and receive Federal grant assistance under Title 2 of the Act for facilities construction which may be conditional on a more stringent schedule, the more stringent schedule shall apply:

1 Within 180 days from the date of this permit, an engineering design report must be submitted to the State

*Subparagraphs 3(a), (b) and (c) are conditions placed in NPDES permits and are not applicable to this permit issued by the Texas Water Quality Board.

water quality control agency and the Regional Administrator which describes in detail the facilities needed. The report must be in conformance with the applicable facilities plan for the area, as required under Sections 201, 204, and 212 of the Act.

2 Within 270 days from the date of this permit, the permittee shall obtain approval of proposed treatment facilities modifications from the State water quality control agency and the Regional Administrator and initiate the engineering design.

3 Within 1.0 year from the date of this permit, the permittee shall report on the progress of the engineering design.

4 Within 1.5 years from the date of this permit, the permittee shall obtain approval of final plans and specifications on proposed modifications from the State water quality control agency and the Regional Administration and submit bids related to these plans and specifications.

5 Within 2.0 years from the date of this permit, the permittee shall report on the progress of construction.

6 Within 2.5 years from the date of this permit, the permittee shall complete construction on proposed modifications to obtain at least secondary treatment.

7 Not later than July 1, 1977 all construction necessary to meet the conditions of this permit shall be completed and operational. Adequate time shall be allowed prior to this date to incorporate the new facilities into total operation and verify the production of the required effluent.

General Conditions

1. Discharge Limitations

a. All discharges authorized herein shall be consistent with the terms and conditions of this permit.

b. The discharge of any pollutant more frequently than, or at a level in excess of, that identified and authorized by this permit, shall constitute a violation of the terms and conditions of this permit. Such a violation may result in the imposition of civil and/or criminal penalties as provided for in Chapter 21 of the Texas Water Code.

c. Prior to any facility modifications, additions, and/or expansions that will increase the plant capacity, the permittee shall apply for a permit amendment and receive written approval from the permitting authority of the permit amendment before commencing construction.

d. Any change in the facility discharge, including any new significant discharge or significant changes in the quantity or quality of existing discharges to the treatment system that will result in new or increased discharges of pollutants must be reported to the permitting authority. Modifications to the permit may then be made to reflect any necessary changes in permit conditions, including any necessary effluent limitations for any pollutants not identified and limited herein. In no case are any new connections, increased flows, or significant changes in influent quality permitted that will cause violation of the effluent limitations specified herein.

2. After notice and opportunity for a hearing, this permit may be modified, suspended, or revoked in whole or in part during its term for cause including, but not limited to, the following:

a. Violation of any terms or conditions of this permit;

b. Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or

c. A change in any condition that requires either a temporary suspension or permanent elimination of the permitted discharge.

3. This permit shall be revised or modified in accordance with the following circumstances:

a. Modification of Water Quality Standards which affect the conditions of this permit.

b. If a toxic effluent standard or prohibition (including any schedule of compliance specified in such effluent standard or prohibition) is established under Section 307(a) of the Act for a toxic pollutant which is present in the discharge authorized herein and such standard or prohibition is more stringent than any limitation upon such pollutant in this permit.

4. The permittee is hereby notified that the State and/or local governments specifically reserve all rights of entry and inspection granted them by the law.

The permittee shall allow the Regional Administrator and/or his authorized representatives, upon the presentation of credentials:

a. To enter upon the permittee's premises or other premises under the control of the permittee, where an effluent source is located or in which any records are required to be kept under the terms and conditions of this permit;

b. To have access to and copy at reasonable times any records required to be kept under the terms and conditions of this permit;

c. To inspect at reasonable times any monitoring equipment or monitoring method required in this permit;

d. To sample at reasonable times any discharge of pollutant; or

e. To perform at reasonable times an operation and maintenance inspection of the permitted facility.

5. The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations; nor does it obviate the necessity of obtaining Federal or local assent required by law for the permitted discharge.

6. This permit does not authorize or approve the construction of any onshore or offshore physical structures or facilities or the undertaking of any work in any navigable waters.

* 7. This permit does not authorize or approve any agriculture, silviculture, or aquaculture project in connection with wastewater reuse.

*This is a General Condition placed in NPDES permits and is not applicable to this permit issued by the Texas Water Quality Board. In some instances, the Board does authorize and approve waste treatment operations which utilize controlled agriculture and silvaculture projects in conjunction with wastewater disposal.

8. The Executive Director shall from time to time review the terms and conditions of this permit and if in his opinion changes are justified, modification to the permit may then be made in accordance with the appropriate regulation procedure to reflect any necessary changes in permit terms or conditions.

9. Solids Disposal

Collected screenings, slurries, sludges, and other solids shall be disposed of in such a manner as to prevent entry of those wastes (or runoff from the wastes) into state waters or their tributaries.

10. Electric Power Failure

The permittee is responsible for maintaining adequate safeguards to prevent the discharge of untreated or inadequately treated wastes during electrical power failures either by means of alternate power sources, standby generators or retention of inadequately treated effluent. Should the treatment works not include the above capabilities at time of permit issuance, the permittee must furnish within 120 days to the permitting authority, for approval, plans for such facilities and an implementation schedule for their installation.

11. Prohibition of Bypass of Treatment Facilities

The diversion or bypass of any discharge from facilities utilized by the permittee to maintain compliance with the terms and conditions of this permit is prohibited, except (i) where unavoidable to prevent loss of life or severe property damage, (ii) where excessive storm drainage or runoff would damage any facilities necessary for compliance, or (iii) where authorized under a program of preventive or corrective maintenance as approved by the Executive Director of the Texas Water Quality Board. The permittee shall within 72 hours notify the permit issuing authority in writing of each unauthorized diversion or bypass in accordance with the procedure specified for reporting non-compliance.

12. Change in Control or Ownership of Facility

In the event of any change in control or ownership of facilities from which the authorized discharges emanate, the permittee shall notify the succeeding owner or controller of the existence of this permit by letter, a copy of which shall be forwarded to the State water pollution control agency and the Regional Administrator.

13. Severability of Conditions

The conditions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

14. Except for data determined to be confidential under Rule 115.2 of the current Rules of the Texas Water Quality Board, Section 21.264 of the Texas Water Code, and Section 308 of the Act, all monitoring reports required by this permit shall be available for public inspection at the office of the State water quality control agency and the Regional Administrator. Knowingly making any false statement on any such report may result in the imposition of criminal penalties as provided in State law.

15. Nothing in this permit shall be construed to preclude the institution of any legal action nor relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or local regulation under authority preserved by Section 510 of the Act.

OTHER REQUIREMENTS

*1. Interim Effluent Limitations

- a. Each pollutant concentration in a grab sample in excess of the value shown for such pollutant in Column 2 of Table 1 constitutes a violation of the permit.

When three, four, or five consecutive grab samples have been collected at various times on separate days by the same entity, the existence of concentrations of any specific pollutant in more than two samples in excess of the value shown for the specific pollutant in Column 1 of Table 1 is a violation.

Table 1

<u>Pollutant</u>	<u>Column 1</u>	<u>Column 2</u>
BOD ₅ mg/l		
Suspended Solids mg/l		

The foregoing requirements shall be applied with judgment and in the context of the other information available.

- b. Each pollutant concentration in a 24-hour composite sample in excess of the value shown for such pollutant in Column 1 of Table 2 constitutes a violation of the permit.

Table 2

<u>Pollutant</u>	<u>Column 1</u>
BOD ₅ mg/l	
Suspended Solids. mg/l	

*Interim Effluent Limitations are not applicable to this permit.
WQB-125 (Rev. 3/26/74)

2. Final Effluent Limitations

- a. Each pollutant concentration in a grab sample in excess of the value shown for such pollutant in Column 2 of Table 3 constitutes a violation of the permit.

When three, four, or five consecutive grab samples have been collected at various times on separate days by the same entity, the existence of concentrations of any specific pollutant in more than two samples in excess of the value shown for the specific pollutant in Column 1 of Table 3 is a violation.

<u>Table 3</u>		
<u>Pollutant</u>	<u>Column 1</u>	<u>Column 2</u>
BOD ₅ mg/l	35	65
Suspended Solids mg/l	35	65

The foregoing requirements shall be applied with judgment and in the context of the other relevant information available.

- b. Each pollutant concentration in a 24-hour composite sample in excess of the values shown for such pollutant in Column 1 of Table 4 constitutes a violation of the permit.

<u>Table 4</u>	
<u>Pollutant</u>	<u>Column 1</u>
BOD ₅ mg/l	45
Suspended Solids mg/l	45

3. Projected Effluent Limitations

It has been determined that in order to maintain Water Quality Standards for the receiving stream identified on the cover sheet of this permit the following shall apply:

	Unit of Measurement	Effluent Concentrations		Effluent Loading	
		30-day Average	7-day Average	30-day Average	
Biochemical Oxygen Demand (5-day)....	mg/l	10	20	BOD ₅ ... 114	kg/day
				BOD ₅ ... 250	lbs/day
Suspended Solids..	mg/l	15	25	TSS... 170	kg/day
				TSS... 376	lbs/day
Fecal Coliform Bacteria.....	Number/100ml	200	400		

Therefore, immediately upon issuance of this permit the permittee shall commence studies and preparation of plans to attain these limits at the earliest possible date. Prior to expiration of this permit, an extensive review of the applicant's progress shall be made by the Texas Water Quality Board. Throughout the duration of this permit the permittee shall submit a report every six months which outlines progress being made toward attainment of the limitations specified above.

4. These public sewerage facilities shall be operated and maintained by a sewage plant operator holding a valid certificate of competency issued under the direction of the Texas State Health Department as required by Section 20 (a) of Article 4477-1, Vernon's Texas Civil Statutes.
5. The plans and specifications for the waste collection and treatment works associated with the discharge authorized by this permit must be approved pursuant to state law, and failure to secure approval before commencing construction of such works or making a discharge therefrom is a violation of this permit and each day of discharge is an additional violation until approval has been secured.
6. This permit is granted subject to the policy of the Board to encourage the development of area-wide waste collection, treatment and disposal systems. The Board reserves the right to amend this permit in accordance with applicable procedural requirements to require the system covered by this permit to be integrated into an area-wide system, should such be developed, to require the delivery of the wastes authorized to be collected in, treated by or discharged from said system, to such area-wide system; or to amend this permit in any other particular to effectuate the Board's policy. Such amendments may be made when, in the judgment of the Board, the changes required thereby are advisable for water quality control purposes and are feasible on the basis of waste treatment technology, engineering, financial, and related considerations existing at the time the changes are required, exclusive of the loss of investment in or revenues from any then existing or proposed waste collection, treatment or disposal system.

7. Items stamped N.P.D.E.S. REQUIREMENTS ONLY do not apply to this permit and are retained in this permit to preserve the form and numbering system of a National Pollutant Discharge Elimination System permit. The items stamped N.P.D.E.S. REQUIREMENTS ONLY in this permit were secured from a standard U.S. Environmental Protection Agency permit format existent in February, 1974, and they may or may not be identical to the requirements or conditions of the actual N.P.D.E.S. permit applicable to the facility covered by this permit. It is necessary to examine the issued N.P.D.E.S. permit authorizing discharge to determine the actual N.P.D.E.S. requirements.

DEFINITIONS

All definitions contained in Section 21.002 of the Texas Water Code and Paragraph 502 of the Act shall apply to this permit and are incorporated therein by reference. Additional definitions of words or phrases used in this permit are as follows:

1. The term "Act" means the Federal Water Pollution Control Act, as amended, Public Law 92-500 (33 USC 1251 et seq).
2. The term "Environmental Protection Agency" means the U. S. Environmental Protection Agency.
3. The term "Administrator" means the Administrator of the U. S. Environmental Protection Agency.
4. The term "Regional Administrator" means one of the Regional Administrators of the U. S. Environmental Protection Agency.
5. The term "National Pollutant Discharge Elimination System" (hereinafter referred to as "NPDES") means the system for issuing, conditioning, and denying permits for the discharge of pollutants from the point sources into the navigable waters, the contiguous zone, and the oceans, by the Administrator of the Environmental Protection Agency pursuant to section 402 of the Federal Water Pollution Control Act, as amended.
6. The term "applicable effluent standards and limitations" means all State and Federal effluent standards and limitations to which a discharge is subject under the Act, including, but not limited to, effluent limitations, standards of performance, toxic effluent standards and prohibitions, and pretreatment standards.
7. The term "applicable water quality standards" means all water quality standards to which a discharge is subject under the Act and which have been (a) approved or permitted to remain in effect by the Administrator following submission to him pursuant to Section 303(a) of the Act, or (b) promulgated by the Administrator pursuant to section 303(b) or 303(c) of the Act.
8. The term "sewage" means human body wastes and the wastes from toilets and other receptacles intended to receive or retain body wastes.
9. The term "sewage sludge" shall mean the solids and precipitates separated from wastewater by unit processes.

10. The term "treatment works" means any devices and systems used in the storage, treatment, recycling, and reclamation of municipal sewage or industrial wastes of a liquid nature to implement section 201 of the Act, or necessary to recycle or reuse water at the most economical cost over the estimated life of the works, including intercepting sewers, sewage collection systems, pumping, power, and other equipment, and their appurtenances; extension, improvement, remodeling, additions, and alterations thereof; elements essential to provide a reliable recycled supply such as standby treatment units and clear well facilities; and any works, including site acquisition of the land that will be an integral part of the treatment process or is used for ultimate disposal of residues resulting from such treatment.

11. The term "grab sample" means an individual sample collected in less than 15 minutes.

12. The term "uncontaminated water" means water which has no direct contact with any product or raw material and which does not contain a level of constituents detectably higher than that of the intake water.

13. The term "permitting authority" means the State water quality control agency or the Environmental Protection Agency, who physically issues the permit.

ppp
DOUGLASS TOOLE
CHAIRMAN
FRANK H. LEWIS
VICE CHAIRMAN
HARRY P. BURLEIGH
CLAYTON T. GARRISON

TEXAS WATER QUALITY BOARD



1700 NORTH CONGRESS AVE. 78701
P.O. BOX 13246 CAPITOL STATION 78711
AUSTIN, TEXAS

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HUGH C. YANTIS, JR.
EXECUTIVE DIRECTOR

MFT _____

PH. (512) 475-2651

CHW _____

PDL _____

OTHERS _____

7-15-75

July 14, 1975

TO: PARTIES INTERESTED IN THE JUNE 4, 1975 PUBLIC HEARING HELD TO RECEIVE
EVIDENCE ON ALLEGED PERMIT VIOLATIONS BY THE CITY OF PASADENA

A hearing commission report and recommendations concerning the above captioned public hearing, will be presented to the Texas Water Quality Board at or about:

9:00 a.m.
July 22, 1975
Madrid-Granada Rooms
Sheraton Crest Hotel
111 East 1st Street
Austin, Texas

The Board will receive only: the report of the Hearing Commission; evidence which is necessary to correct or point out deficiencies in the summary of evidence contained in the report; or newly discovered evidence or evidence which for good reason, in the judgment of the Board, was not presented to the Hearing Commission and which should be received in order to prevent an injustice or to complete the record. Persons who make requests to present newly discovered or additional evidence should be prepared to show that the same was not presented to the Hearing Commission for good reason. The Board may exclude evidence that is merely repetitious of that set out in the summary of evidence in the report of the Hearing Commission or which is repetitious of evidence previously heard by the Board.

We request that written exceptions and written requests to be heard at the Board Meeting be transmitted to the Board's staff at least three (3) days prior to the Board meeting.

Should anyone have any questions with regard to this matter, please contact me at the above address or by telephoning a/c 512/475-2436.

Very truly yours,

Lee H. Mathews
Lee H. Mathews, Attorney
Chief, Enforcement Hearings

LHM:lc

HEARING COMMISSION REPORT
to be presented to the
Texas Water Quality Board

Concerning Enforcement Recommendations for the City of Pasadena

Summary of Evidence and Recommendations

An enforcement public hearing was held on June 4, 1975 to consider alleged violations of Permit 10053, pages 01 and 05, by the City of Pasadena. All statutory notice prerequisites for the hearing were satisfied. The enforcement panel that presented the matter to the hearing commissioner was composed of Texas Water Quality Board staff members Ches Blevins and George Green. Representing the city were Jimmie D. Coker and Paul E. Hays.

Mr. Green presented evidence on behalf of the enforcement panel. The City of Pasadena owns and operates two sewage treatment plants--Plant 1A and Plant 1B. In addition to being required to operate in accordance with its permit, the city was also issued Board Orders No. 73-0123-6 and 73-1218-1 which established certain deadlines for making sewerage system improvements. Data available to the staff dating back to June, 1970 indicate that Plant 1A has been consistently out of compliance with regard to biochemical oxygen demand, total suspended solids and chlorine residual requirements of the permit. In addition, Board Order No. 73-1218-1 required that the city install adequate chlorination equipment at Plant 1A by no later than March 1, 1974; however, since that time, self reporting records have revealed violations of minimum chlorine residual eight out of ten months, and violations of the average limitation seven out of ten months. Recent sample analyses by District 7 personnel have confirmed continuing noncompliance with chlorine residual requirements. Plant 1B was shown to be experiencing similar violations of its permit requirements. During an inspection of Plant 1B on November 17, 1972, it was noted that one of the trickling filter distributors was inoperative; an inspection on March 12, 1975 revealed that the same distributor was still inoperative. Slides taken on April 18, 1975 showed that the trickling filter was inoperative and that the distributor was not turning properly, the seal was leaking, and excess sewage was spraying out the end of the arms.

Following the presentation of evidence, Mr. Green recommended that the City of Pasadena undertake the following corrective measures:

- (1) Effective immediately, the city shall insure that a chlorine residual of one milligram per liter is maintained at all times at Plants 1A and 1B.

Hearing Commission Report
Recommendations on the City
of Pasadena
Page 2

- (2) Within 60 days, the city will begin the practice of chemical addition to enhance final clarifier solids capture at Plants 1A and 1B.
- (3) Within 120 days, the city shall repair the leaking seal of trickling filter #2 at the 1B plant and take those additional steps necessary to restore the trickling filter to full operation.
- (4) Within 60 days, the city shall convert the completely inoperative trickling filter distributor to a fixed arm distributor so as to insure complete coverage of filter media with sewage.
- (5) By not later than December 31, 1977, the city shall have the proposed Eastside plant complete and in full and proper operation.

Mr. Coker responded to the panel's presentation. He referred to a letter dated May 21, 1975 from the city to the Executive Director of the Texas Water Quality Board. Attached to that letter was a chronological order of events dating back to March, 1973 showing the city's efforts to secure federal financial assistance for major sewerage system improvements. Addressing himself to the panel's recommendations, the Public Works Director indicated that the city could comply with item (1). Compliance with recommendation (2) would, according to Mr. Coker, cost \$2,400.00 for necessary pumps and \$78,000.00 for a year's supply of chemicals. Recommendation (3) was estimated to cost \$30,000.00. With regard to (4), he estimated that repairs necessary to convert the inoperative trickling filter distributor to a fixed arm distributor would cost around \$192,000.00. Recommendation (5) appeared to Mr. Coker to be reasonable. In the Public Works Director's opinion, implementation of items (2), (3), and (4) would be unjustified because of the large expense involved. He suggested that these measures should be included in the permanent improvement program envisioned in the city's federal grant applications. Doubt was expressed that the deadline dates suggested by Mr. Green could be met because of the need to obtain prior approval for large expenditures from the city council and because of the additional problem of slow delivery dates. He then asked that consideration be given to extending the proposed requirements until grant funds have been allocated. In response to a question by the hearing commissioner as to why the requirements of Board Order No. 73-1218-1 for adequate chlorination by March 1,

1974 were not met, Mr. Coker surmised that most city officials were "waiting out" the receipt of a grant before attempting to meet the requirement. Mr. Hays interjected another reason--that the city had experienced difficulties with suppliers of chlorine and that prompt deliveries of chlorine were not always made.

Following the city representatives' testimony indicating reluctance and/or inability to meet suggested recommendations of the panel, Mr. Blevins offered a revised proposal: recommendations (3) and (4) should be deleted and a new recommendation (6) should be added requiring the city to operate and maintain existing facilities in such a way so as to secure their maximum utilization. In addition, Mr. Blevins recommended that the city be referred to the Texas Attorney General for permit violations and that items (1), (2), (5), and (6) be included in a request for injunctive relief.

Mr. Coker disagreed with Mr. Blevins' assertion that the city has made little progress since 1970 in solving its wastewater treatment problems by citing the city's efforts to secure federal funding for permanent improvements. Since prior efforts of the city are relevant in considering a lawsuit, the hearing commissioner authorized the city to submit within 14 days a letter detailing what measures, if any, have been taken to maintain existing facilities in an acceptable working condition. Accordingly, Mr. Coker submitted a letter with attachments dated June 16, 1975. In that letter it was reported that since the June 4, 1975 hearing, the following measures had been accomplished by the city:

1. Sufficient chlorine is being utilized to provide the required residual at Plants 1A and 1B.
2. Chemicals are being added at both plants by gravity flow to enhance final clarifier solids capture.
3. The new Eastside Plant should be completed by December 31, 1977, provided that the federal grant application is processed in an orderly manner.
4. The inoperative trickling filter has been modified and restored to operational status.
5. The clarifier has been drained, repaired and restored to full operational status.
6. Trickling filter #2 is operational although the seal is still leaking.

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Mr. Coker's letter further stated:

Considerable expenditures have been made for engineering fees over the past several years in attempts to upgrade . . . equipment. Some of the work recommended was not initiated for various reasons attributable to the City Administration at the time. As pointed out at the hearing, there have been at least six different Directors of Public Works since May, 1967 These changes oftentimes disrupted the continuity of operations greatly, especially in those instances where changes in lower echelon personnel occurred with the change in Directorship. This situation has been remedied to some extent so that continuity of operations will not be disrupted with changes in Directors.

A schedule of expenditures attached to the letter reveals that \$361,800.00 has been spent on "engineering" for Plant 1A since 1970; another \$19,554.00 has been expended on "engineering" for Plant 1B since 1971. A trickling filter seal was purchased for \$13,821.00 in 1972. In the hearing commissioner's opinion, the meaning of the term "engineering" is unclear. It could refer to engineering studies or technical planning done in connection with federal grant applications. It is not clear what part, if any, of this category of expenditures is for repair or general operation and maintenance. Other attachments to Mr. Coker's letter show generally that city officials were aware that Plants 1A and 1B were noncompliant with their permit as early as 1970.

In summary, the evidence shows that the City of Pasadena's 1A and 1B sewage treatment plants are not producing an effluent capable of consistently meeting the requirements of Permit No. 10053, pages 01 and 05. The city has been reasonably diligent in seeking to secure federal financial assistance for long-term modifications to the sewerage system. However, it is the hearing commissioner's opinion that a treatment facility should not be allowed to fall into general disrepair on the assumption that future grant monies will solve all the problems. The hearing commissioner believes that many serious problems now confronting the city could have been avoided or at least modified in earlier years by providing then for sufficient funds for normal operation and maintenance, scheduled phase-out and replacement of those unit parts approaching obsolescence, and more general emphasis and attention to maintaining the sewerage system. It should also be noted that city officials have taken steps to make the needed corrections, as evidenced by the June 16, 1975 letter from Mr. Coker.

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The hearing commissioner recommends that the attached proposed enforcement order be adopted for the City of Pasadena. In the alternative, if the Board feels that the record warrants legal action, then it is recommended that the requirements set out in the proposed enforcement order be incorporated into any injunction that may subsequently be issued.

Lee H. Mathews

Lee H. Mathews, Attorney
Chief, Enforcement Hearings
Hearings Division

July 10, 1975

LHM:lc

TEXAS WATER QUALITY BOARD
P. O. Box 13246, Capitol Station
Austin, Texas 78711

ENFORCEMENT ORDER NO.

AN ENFORCEMENT ORDER of the Texas Water Quality Board setting out findings of fact with regard to violations of Permit No. 10053, pages 01 and 05 by the City of Pasadena, and specifying corrective measures to be taken by the city.

WHEREAS, a public Enforcement Hearing was held before a Hearing Commission of the Board on June 4, 1975 at Houston, Texas for the purpose of exploring the status of complaince by the City of Pasadena with the terms and provisions of Permit No. 10053, pages 01 and 05; and

WHEREAS, the City of Pasadena was duly represented at the Enforcement Hearing in which notice had been timely given through letter and publication,

THE TEXAS WATER QUALITY BOARD MAKES THE FOLLOWING EVIDENTIARY FINDINGS BASED ON AVAILABLE INFORMATION AND TESTIMONY PRESENTED AT THE ENFORCEMENT HEARING:

The City of Pasadena owns and operates its Northside Plants 1-A and 1-B, Permit No. 10053, pages 01 and 05, which are located on the west bank and east bank, respectively, of Vince Bayou in Pasadena, Harris County, Texas. Under the terms and provisions of the permit, the City of Pasadena is authorized to make discharges which do not exceed specified limitations into Vince Bayou, which flows to the Houston Ship Channel.

As a result of numerous inspections of the sewage treatment plants and a review of the self reported data, the staff has concluded that both plants have been inadequately maintained and operated for the past several years. Such inadequate operation and maintenance has caused and is causing both plants to be consistently noncompliant with respect to biochemical oxygen demand, total suspended solids and chlorine residual in the discharges. Now, therefore,

BE IT ORDERED BY THE TEXAS WATER QUALITY BOARD THAT:

1. Beginning effective date of this Order, the City of Pasadena shall insure that a chlorine residual of 1 mg/l is maintained at all times at both plants 1-A and 1-B;

ENFORCEMENT ORDER

No. _____

2. By not later than September 22, 1975, the City of Pasadena shall secure the necessary equipment and begin the practice of chemical addition to enhance final clarifier solids capture at both plants 1-A and 1-B;
3. By not later than December 31, 1977, the City of Pasadena shall have the proposed 1-B (Eastside) Plant complete and in full and proper operation; and
4. Beginning effective date of this Order, the City of Pasadena shall operate the existing facilities in such a way as to insure the maximum utilization of the existing units and equipment.

APPROVED AND ISSUED THIS 22ND DAY OF JULY, 1975.

TEXAS WATER QUALITY BOARD

J. Douglass Toole, Chairman

(Seal)

ATTEST:

Hugh C. Yantis, Jr., Executive Director